SAMSUNG

LCD-TV

Chassis : N93A

Model : LN22C450E1M(HD) LN32C550J1M(FHD)
LN26C450E1M(HD) LN40C550J1M(FHD)
LN32C450E1M(HD) LN46C550J1M(FHD)
LN32C530F1M(FHD)
LN37C530F1M(FHD)
LN40C530F1M(FHD)
LN46C530F1M(FHD)
LN52C530F1M(FHD)

SERVICE Manual

TFT-LCD TV

LN22C450E1M/LN26C450E1M/LN32C450E1M
LN32C530F1M/LN37C530F1M/LN40C530F1M/
LN46C530F1M/LN52C530F1M
LN32C550J1M/LN40C550J1M/LN46C550J1M

Contents

1. Precautions
2. Product specifications
3. Disassembly and Reassembly
4. Troubleshooting
5. Exploded View & Part List
6. Wiring Diagram

Refer to the service manual in the GSPN (see the rear cover) for the more information.

Contents

1. Precautions 1-1

1-1. Safety Precautions 1-1
1-2. Servicing Precautions 1-2
1-3. Electrostatically Sensitive Devices (ESD) Precautions 1-2
1-4. Installation Precautions 1-3

2. Product specifications 2-1

2-1. Feature & Specifications 2-1
2-2. Specification Comparison to Old Models 2-14
2-3. Accessories 2-15

3. Disassembly and Reassembly 3-1

3-1. Disassembly and Reassembly 3-1

4. Troubleshooting 4-1

4-1. Troubleshooting 4-1
4-2. Alignments and Adjustments 4-14
4-3. Factory Mode Adjustments 4-15
4-4. White Balance - Calibration 4-25
4-5. White Ratio (Balance) Adjustment 4-27
4-6. Servicing Information 4-28
4-7. EDID Self-Write Method 4-30

5. Exploded View & Part List 5-1

5-1. LExploded View 5-1
5-2. Parts List 5-2

6. Wiring Diagram 6-1

6-1. HD Model Wiring Diagram 6-1
6-2. Wiring Picture 6-9
6-3. Connector Functions 6-10
6-4. Cables 6-11

1. Precautions

1-1. Safety Precautions

Follow these safety, servicing, and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1-1. Warnings

1. For continued safety, do not attempt to modify any circuitry.

1-1-2. Servicing the LCD TV

1. When servicing the LCD TV, Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times.
   Check the calibration of this meter periodically.

1-1-3. Fire and Shock Hazard

Before returning the LCD TV to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the LCD TV.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):
   WARNING : Do not use an isolation transformer during this test.
   Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).
4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch

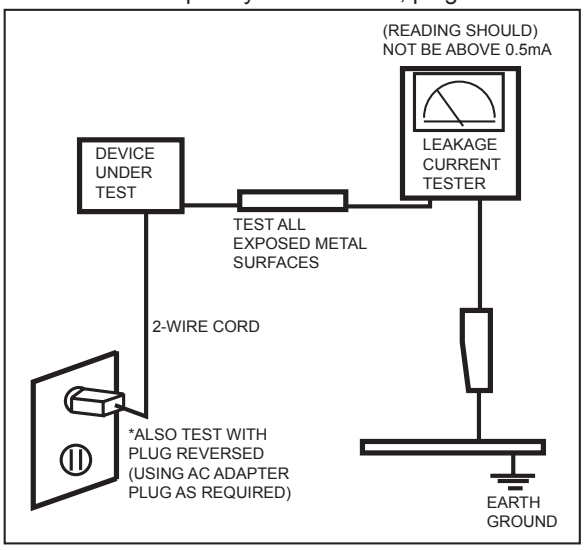

Figure 1-1. Leakage Current Test Circuit

first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts.
The current measured should not exceed 0.5 milliamp.
Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4. Product Safety Notices

Some electrical and mechanical parts have special safety related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2. Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.
Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.
Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
   (a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.
   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 mega ohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3. Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the LCD TV.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

1-4. Installation Precautions

1. For safety reasons, more than a people are required for carrying the product.
2. Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.
3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.
4. Bend the external antenna cable when connecting it to the product. This is a measure to protect it from being exposed to moisture. Otherwise, it may cause a fire or electric shock.
5. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.
6. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the highvoltage cable or the antenna falling over may cause fire or electric shock.
7. When installing the product, leave enough space (0.4m) between the product and the wall for ventilation purposes. A rise in temperature within the product may cause fire.

Memo

2. Product specifications

2-1. Feature & Specifications

Model	LN22C450E1M(HD)
Feature	
▶ Digital-TV, RF, 1-HDMI, 1Component, 2-A/V, USB (Download port), D-sub ▶ Brightness : 450cd/m^2 ▶ Contrast Ratio : 3000:1 ▶ Response time : 6.5ms ▶ Dynamic contrast	

Specifications		
Item	**Description**	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly black, 22-inch viewable, 0.4215mm Pixel Pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	310MHz	
Active Display Horizontal/Vertical	575.769(H) x 323.712(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	< 80W(<1W, stand by)	
Dimensions Set (W x D x H)	669.7 x 216x 495.1mm_with stand 669.7 x 75.3 x 455.0mm_without stand	
Weight (Set)	18.52lbs(8.4Kg)	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T, PAL-M/NTSC/PAL-N
	Sound	Stereo, SRS Surround HD
Environmental Considerations	Operating Temperature : 50˚F ~ 104˚F (10˚C ~ 40˚C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13˚F ~ 113˚F (-25˚C ~ 45˚C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio spec.	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Headphone Out : 10 mW MAX - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+		

Model	LN26C450E1M(HD)
Feature	
▶ Digital-TV, RF, 3-HDMI, 2Component, 2-A/V, USB, D-sub, FM-Transmitter ▶ Brightness : 450cd/m^2 ▶ Contrast Ratio : 3000:1 ▶ Response time : 8.5ms ▶ Dynamic contrast	

Specifications		
Item	**Description**	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly black, 26-Inch viewable, 0.17025(H) x 0.51075 (V) mm Pixel Pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	310MHz	
Active Display Horizontal/Vertical	697.6845(H) x 392.256(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	<130W (< 1W, stand by)	
Dimensions Set (W x D x H)	797.7 x 252 x 576.5mm_with stand 797.7 x 84.8 x 530.5mm_without stand	
Weight (Set)	25.13lbs(11.4Kg)	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T, PAL-M/NTSC/PAL-N
	Sound	Stereo, SRS Surround HD
Environmental Considerations	Operating Temperature : 50˚F ~ 104˚F (10˚C ~ 40˚C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13˚F ~ 113˚F (-25˚C ~ 45˚C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio spec.	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+		

Model	LN32C450E1M(HD)
Feature	
▶ Digital-TV, RF, 3-HDMI, 2Component, 2-A/V, USB, D-sub, FM-Transmitter ▶ Brightness : 450cd/m^2 ▶ Contrast Ratio : 3000:1 ▶ Response time : 6.5ms ▶ Dynamic contrast	

Specifications		
Item	**Description**	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly black, 32-Inch viewable, 0.51075 (H) x 0.51075 (W) mm Pixel Pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	310MHz	
Active Display Horizontal/Vertical	819.6(H) x 460.8(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	<140W (< 1W, stand by)	
Dimensions Set (W x D x H)	913.2 x 300 x 656.2mm_with stand 913.2 x 93.3 x 605.3mm_without stand	
Weight (Set)	30.20lbs(13.7Kg)	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T, PAL-M/NTSC/PAL-N
	Sound	Stereo, SRS Surround HD
Environmental Considerations	Operating Temperature : 50˚F ~ 104˚F (10˚C ~ 40˚C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13˚F ~ 113˚F (-25˚C ~ 45˚C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio spec.	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+		

Model	LN32C530F1M(FHD)
Feature	
▶ Digital-TV, RF, 3-HDMI, 2Component, 2-A/V, USB, D-sub, FM-Transmitter ▶ Brightness : 500cd/m^2 ▶ Contrast Ratio : 5000:1 ▶ Response time : 6.5ms ▶ Dynamic contrast	

Specifications		
Item	**Description**	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly black, 32-Inch viewable, 0.36375(V) x 0.36375(W) mm Pixel Pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	310MHz	
Active Display Horizontal/Vertical	698.4(H) x 392.85(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	<130W(<1W, stand by)	
Dimensions Set (W x D x H)	810.0 x 220.2 x 562.5 mm_with stand 801.0 x 76.8 x 518.1 mm_without stand	
Weight (Set)	26.0lbs(11.8Kg)	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T, PAL-M/NTSC/PAL-N
	Sound	Stereo, SRS Surround HD
Environmental Considerations	Operating Temperature : 50˚F ~ 104˚F (10˚C ~ 40˚C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13˚F ~ 113˚F (-25˚C ~ 45˚C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio spec.	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+		

Model	LN37C530F1M(FHD)
Feature	
▶ Digital-TV, RF, 3-HDMI, 2Component, 2-A/V, USB, D-sub, FM-Transmitter ▶ Brightness : 500cd/m^2 ▶ Contrast Ratio : 2500:1 ▶ Response time : 6.5ms ▶ Dynamic contrast	

Specifications		
Item	**Description**	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly black, 37-Inch viewable, 0.42675(H) x 0.42675(W) mm Pixel Pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	310MHz	
Active Display Horizontal/Vertical	819.36(H) x 460.89(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	<140W(<1W, stand by)	
Dimensions Set (W x D x H)	918.0 x 300 x 650mm_with stand 918.0 x 77.3 x 597.3 mm _without stand	
Weight (Set)	33.lbs(15.3Kg)	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T, PAL-M/NTSC/PAL-N
	Sound	Stereo, SRS Surround HD
Environmental Considerations	Operating Temperature : 50˚F ~ 104˚F (10˚C ~ 40˚C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13˚F ~ 113˚F (-25˚C ~ 45˚C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio spec.	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+		

Model	LN40C530F1M(FHD)
Feature	
▶ Digital-TV, RF, 3-HDMI, 2Component, 2-A/V, USB, D-sub, FM-Transmitter ▶ Brightness : 500cd/m^2 ▶ Contrast Ratio : 5000:1 ▶ Response time : 6.5ms ▶ Dynamic contrast	

Specifications		
Item	**Description**	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly black, 40-Inch viewable, 0.15375(H) x 0.46125(V) mm Pixel Pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	310MHz	
Active Display Horizontal/Vertical	685.6(H) x 498.15(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	<180W(<1W, stand by)	
Dimensions Set (W x D x H)	998 x 260.1 x 686mm_with stand 998.0 x 78.4 x 620.8 mm_without stand	
Weight (Set)	39.7lbs(18Kg)	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T, PAL-M/NTSC/PAL-N
	Sound	Stereo, SRS Surround HD
Environmental Considerations	Operating Temperature : 50˚F ~ 104˚F (10˚C ~ 40˚C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13˚F ~ 113˚F (-25˚C ~ 45˚C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio spec.	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+		

Model	LN46C530F1M(FHD)
Feature	
▶ Digital-TV, RF, 3-HDMI, 2Component, 2-A/V, USB, D-sub, FM-Transmitter ▶ Brightness : 500cd/m^2 ▶ Contrast Ratio : 4000:1 ▶ Response time : 6.5ms ▶ Dynamic contrast	

Specifications		
Item	**Description**	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly black, 46-Inch viewable, 0.53052 (H) x 0.53052 (V) mm Pixel Pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	310MHz	
Active Display Horizontal/Vertical	1018.08(H) x 572.67(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	<230W(<1W, stand by)	
Dimensions Set (W x D x H)	1127.0 x 260.0 x 766.0mm_with stand 1127.0 x 77.8 x 712.1 mm_without stand	
Weight (Set)	52.3lbs(23.7Kg)	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T, PAL-M/NTSC/PAL-N
	Sound	Stereo, SRS Surround HD
Environmental Considerations	Operating Temperature : 50˚F ~ 104˚F (10˚C ~ 40˚C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13˚F ~ 113˚F (-25˚C ~ 45˚C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio spec.	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+		

Model	LN52C530F1M(FHD)
Feature	
▶ Digital-TV, RF, 3-HDMI, 2Component, 2-A/V, USB, D-sub ▶ Brightness : 500cd/m^2 ▶ Contrast Ratio : 4000:1 ▶ Response time : 6.5ms ▶ Dynamic contrast	

Specifications		
Item	**Description**	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly black, 46-Inch viewable, 0.53052 (H) x 0.53052 (V) mm Pixel Pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	310MHz	
Active Display Horizontal/Vertical	1018.08(H) x 572.67(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	<230W(<1W, stand by)	
Dimensions Set (W x D x H)	1127.0 x 260.0 x 766.0mm_with stand 1127.0 x 77.8 x 712.1 mm_without stand	
Weight (Set)	52.3lbs(23.7Kg)	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T, PAL-M/NTSC/PAL-N
	Sound	Stereo, SRS Surround HD
Environmental Considerations	Operating Temperature : 50˚F ~ 104˚F (10˚C ~ 40˚C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13˚F ~ 113˚F (-25˚C ~ 45˚C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio spec.	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+		

Model	LN32C550J1M(FHD)
Feature	
▶ Digital-TV, RF, 4-HDMI, 2Component, 2-A/V, 2USB, D-sub ▶ Brightness : 500cd/m^2 ▶ Contrast Ratio : 5000:1 ▶ Response time : 6.5ms ▶ Dynamic contrast	

Specifications		
Item	**Description**	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly black, 32-Inch viewable, 0.36375(V) x 0.36375(W) mm Pixel Pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	310MHz	
Active Display Horizontal/Vertical	698.4(H) x 392.85(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	<130W(<1W, stand by)	
Dimensions Set (W x D x H)	810.0 x 220.2 x 562.5 mm_with stand 801.0 x 76.8 x 518.1 mm_without stand	
Weight (Set)	26.0lbs(11.8Kg)	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T, PAL-M/NTSC/PAL-N
	Sound	Stereo, SRS Surround HD
Environmental Considerations	Operating Temperature : 50˚F ~ 104˚F (10˚C ~ 40˚C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13˚F ~ 113˚F (-25˚C ~ 45˚C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio spec.	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+		

Model	LN40C550J1M(FHD)
Feature	
▶ Digital-TV, RF, 4-HDMI, 2Component, 2-A/V, 2USB, D-sub ▶ Brightness : 500cd/m^2 ▶ Contrast Ratio : 5000:1 ▶ Response time : 6.5ms ▶ Dynamic contrast	

Specifications		
Item	**Description**	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly black, 40-Inch viewable, 0.15375(H) x 0.46125(V) mm Pixel Pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	310MHz	
Active Display Horizontal/Vertical	685.6(H) x 498.15(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	<180W(<1W, stand by)	
Dimensions Set (W x D x H)	998 x 260.1 x 686mm_with stand 998.0 x 78.4 x 620.8 mm_without stand	
Weight (Set)	39.7lbs(18Kg)	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T, PAL-M/NTSC/PAL-N
	Sound	Stereo, SRS Surround HD
Environmental Considerations	Operating Temperature : 50˚F ~ 104˚F (10˚C ~ 40˚C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13˚F ~ 113˚F (-25˚C ~ 45˚C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio spec.	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+		

Model	LN46C550J1M(FHD)
Feature	
▶ Digital-TV, RF, 4-HDMI, 2Component, 2-A/V, USB, D-sub ▶ Brightness : 500cd/m^2 ▶ Contrast Ratio : 4000:1 ▶ Response time : 6.5ms ▶ Dynamic contrast	

Specifications		
Item	**Description**	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normaly black, 46-Inch viewable, 0.53052 (H) x 0.53052 (V) mm Pixel Pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 80 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M colors	
Maximum resolution	Horizontal : 1920 Pixels Vertical : 1080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	310MHz	
Active Display Horizontal/Vertical	1018.08(H) x 572.67(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	<230W(<1W, stand by)	
Dimensions Set (W x D x H)	1127.0 x 260.0 x 766.0mm_with stand 1127.0 x 77.8 x 712.1 mm_without stand	
Weight (Set)	52.3lbs(23.7Kg)	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	ISDB-T, PAL-M/NTSC/PAL-N
	Sound	Stereo, SRS Surround HD
Environmental Considerations	Operating Temperature : 50˚F ~ 104˚F (10˚C ~ 40˚C) Operating Humidity : 10% ~ 80%, non-condensing Storage temperature : -13˚F ~ 113˚F (-25˚C ~ 45˚C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio spec.	- MAX Internal speaker Out : Right => 10W, Left => 10W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	
Note: Anynet+		

CHANNEL FREQUENCY TABLE

1. OUTPUT FREQUENCY : ANALOG fv:45.75MHz, fs:41.25MHz DIGITAL Fc:44MHz
2. TUNING STEP SIZE : FIRST PLL 250KHz SECOND PLL 62.5KHz

OSD	CH NO	AIR		BAND	CH NO		BAND	CH NO		CH NO	
		Air-DTV	Air-NTSC			Cable STD			Cable HRC		Cable IRC
1	1							A-8	72.00	A-8	73.25
2	2	57	55.25	V-L	2	55.25	V-L	2	54.00	2	55.25
3	3	63	61.25	V-L	3	61.25	V-L	3	60.00	3	61.25
4	4	69	67.25	V-L	4	67.25	V-L	4	66.00	4	67.25
5	5	79	77.25	V-L	5	77.25	V-L	A-7	78.00	A-7	79.25
6	6	85	83.25	V-L	6	83.25	V-L	A-6	84.00	A-6	85.25
7	7	177	175.25	V-H	7	175.25	V-H	7	174.00	7	175.25
8	8	183	181.25	V-H	8	181.25	V-H	8	180.00	8	181.25
9	9	189	187.25	V-H	9	187.25	V-H	9	186.00	9	187.25
10	10	195	193.25	V-H	10	193.25	V-H	10	192.00	10	193.25
11	11	201	199.25	V-H	11	199.25	V-H	11	198.00	11	199.25
12	12	207	205.25	V-H	12	205.25	V-H	12	204.00	12	205.25
13	13	213	211.25	V-H	13	211.25	V-H	13	210.00	13	211.25
14	14	473	471.25	UHF	A	121.25	MID	A	120.00	A	121.25
15	15	479	477.25	UHF	B	127.25	MID	B	126.00	B	127.25
16	16	485	483.25	UHF	C	133.25	MID	C	132.00	C	133.25
17	17	491	489.25	UHF	D	139.25	MID	D	138.00	D	139.25
18	18	497	495.25	UHF	E	145.25	MID	E	144.00	E	145.25
19	19	503	501.25	UHF	F	151.25	MID	F	150.00	F	151.25
20	20	509	507.25	UHF	G	157.25	MID	G	156.00	G	157.25
21	21	515	513.25	UHF	H	163.25	MID	H	162.00	H	163.25
22	22	521	519.25	UHF	I	169.25	MID	I	168.00	I	169.25
23	23	527	525.25	UHF	J	217.25	SUPER	J	216.00	J	217.25
24	24	533	531.25	UHF	K	223.25	SUPER	K	222.00	K	223.25
25	25	539	537.25	UHF	L	229.25	SUPER	L	228.00	L	229.25
26	26	545	543.25	UHF	M	235.25	SUPER	M	234.00	M	235.25
27	27	551	549.25	UHF	N	241.25	SUPER	N	240.00	N	241.25
28	28	557	555.25	UHF	O	247.25	SUPER	O	246.00	O	247.25
29	29	563	561.25	UHF	P	253.25	SUPER	P	252.00	P	253.25
30	30	569	567.25	UHF	Q	259.25	SUPER	Q	258.00	Q	259.25
31	31	575	573.25	UHF	R	265.25	SUPER	R	264.00	R	265.25
32	32	581	579.25	UHF	S	271.25	SUPER	S	270.00	S	271.25
33	33	587	585.25	UHF	T	277.25	SUPER	T	276.00	T	277.25
34	34	593	591.25	UHF	U	283.25	SUPER	U	282.00	U	283.25
35	35	599	597.25	UHF	V	289.25	SUPER	V	288.00	V	289.25
36	36	605	603.25	UHF	W	295.25	SUPER	W	294.00	W	295.25
37	37	611	609.25	UHF	AA	301.25	HYPER	AA	300.00	AA	301.25
38	38	617	615.25	UHF	BB	307.25	HYPER	BB	306.00	BB	307.25
39	39	623	621.25	UHF	CC	313.25	HYPER	CC	312.00	CC	313.25
40	40	629	627.25	UHF	DD	319.25	HYPER	DD	318.00	DD	319.25
41	41	635	633.25	UHF	EE	325.25	HYPER	EE	324.00	EE	325.25
42	42	641	639.25	UHF	FF	331.25	HYPER	FF	330.00	FF	331.25
43	43	647	645.25	UHF	GG	337.25	HYPER	GG	336.00	GG	337.25
44	44	653	651.25	UHF	HH	343.25	HYPER	HH	342.00	HH	343.25
45	45	659	657.25	UHF	II	349.25	HYPER	II	348.00	II	349.25
46	46	665	663.25	UHF	JJ	355.25	HYPER	JJ	354.00	JJ	355.25
47	47	671	669.25	UHF	KK	361.25	HYPER	KK	360.00	KK	361.25
48	48	677	675.25	UHF	LL	367.25	HYPER	LL	366.00	LL	367.25
49	49	683	681.25	UHF	MM	373.25	HYPER	MM	372.00	MM	373.25
50	50	689	687.25	UHF	NN	379.25	HYPER	NN	378.00	NN	379.25
51	51	695	693.25	UHF	OO	385.25	HYPER	OO	384.00	OO	385.25
52	52	701	699.25	UHF	PP	391.25	HYPER	PP	390.00	PP	391.25
53	53	707	705.25	UHF	QQ	397.25	HYPER	QQ	396.00	QQ	397.25
54	54	713	711.25	UHF	RR	403.25	HYPER	RR	402.00	RR	403.25
55	55	719	717.25	UHF	SS	409.25	HYPER	SS	408.00	SS	409.25
56	56	725	723.25	UHF	TT	415.25	HYPER	TT	414.00	TT	415.25
57	57	731	729.25	UHF	UU	421.25	HYPER	UU	420.00	UU	421.25
58	58	737	735.25	UHF	VV	427.25	HYPER	VV	426.00	VV	427.25
59	59	743	741.25	UHF	WW	433.25	HYPER	WW	432.00	WW	433.25
60	60	749	747.25	UHF	XX	439.25	HYPER	XX	438.00	XX	439.25
61	61	755	753.25	UHF	YY	445.25	HYPER	YY	444.00	YY	445.25
62	62	761	759.25	UHF	ZZ	451.25	HYPER	ZZ	450.00	ZZ	451.25
63	63	767	765.25	UHF	AAA	457.25	HYPER	AAA	456.00	AAA	457.25
64	64	773	771.25	UHF	BBB	463.25	HYPER	BBB	462.00	BBB	463.25
65	65	779	777.25	UHF	CCC	469.25	ULTRA	CCC	468.00	CCC	469.25
66	66	785	783.25	UHF	DDD	475.25	ULTRA	DDD	474.00	DDD	475.25
67	67	791	789.25	UHF	EEE	481.25	ULTRA	EEE	480.00	EEE	481.25
68	68	797	795.25	UHF	FFF	487.25	ULTRA	FFF	486.00	FFF	487.25
69	69	803	801.25	UHF	GGG	493.25	ULTRA	GGG	492.00	GGG	493.25

OSD	CH NO	AIR		BAND	CH NO		BAND	CH NO		CH NO	
		Air-DTV	Air-NTSC			Cable STD			Cable HRC		Cable IRC
70	70				HHH	499.25	ULTRA	HHH	498.00	HHH	499.25
71	71				III	505.25	ULTRA	III	504.00	III	505.25
72	72				JJJ	511.25	ULTRA	JJJ	510.00	JJJ	511.25
73	73				KKK	517.25	ULTRA	KKK	516.00	KKK	517.25
74	74				LLL	523.25	ULTRA	LLL	522.00	LLL	523.25
75	75				MMM	529.25	ULTRA	MMM	528.00	MMM	529.25
76	76				NNN	535.25	ULTRA	NNN	534.00	NNN	535.25
77	77				000	541.25	ULTRA	000	540.00	000	541.25
78	78				PPP	547.25	ULTRA	PPP	546.00	PPP	547.25
79	79				79	553.25	ULTRA	79	552.00	79	553.25
80	80				80	559.25	ULTRA	80	558.00	80	559.25
81	81				81	565.25	ULTRA	81	564.00	81	565.25
82	82				82	571.25	ULTRA	82	570.00	82	571.25
83	83				83	577.25	ULTRA	83	576.00	83	577.25
84	84				84	583.25	ULTRA	84	582.00	84	583.25
85	85				85	589.25	ULTRA	85	588.00	85	589.25
86	86				86	595.25	ULTRA	86	594.00	86	595.25
87	87				87	601.25	ULTRA	87	600.00	87	601.25
88	88				88	607.25	ULTRA	88	606.00	88	607.25
89	89				89	613.25	ULTRA	89	612.00	89	613.25
90	90				90	619.25	ULTRA	90	618.00	90	619.25
91	91				91	625.25	ULTRA	91	624.00	91	625.25
92	92				92	631.25	ULTRA	92	630.00	92	631.25
93	93				93	637.25	ULTRA	93	636.00	93	637.25
94	94				94	643.25	ULTRA	94	642.00	94	643.25
95	95				A-5	91.25	FM	A-5	90.00	A-5	91.25
96	96				A-4	97.25	FM	A-4	96.00	A-4	97.25
97	97				A-3	103.25	FM	A-3	102.00	A-3	103.25
98	98				A-2	109.25	MID	A-2	108.00	A-2	109.25
99	99				A-1	115.25	MID	A-1	114.00	A-1	115.25
100	100				100	649.25	ULTRA	100	648.00	100	649.25
101	101				101	655.25	ULTRA	101	654.00	101	655.25
102	102				102	661.25	ULTRA	102	660.00	102	661.25
103	103				103	667.25	ULTRA	103	666.00	103	667.25
104	104				104	673.25	ULTRA	104	672.00	104	673.25
105	105				105	679.25	ULTRA	105	678.00	105	679.25
106	106				106	685.25	ULTRA	106	684.00	106	685.25
107	107				107	691.25	ULTRA	107	690.00	107	691.25
108	108				108	697.25	ULTRA	108	696.00	108	697.25
109	109				109	703.25	ULTRA	109	702.00	109	703.25
110	110				110	709.25	ULTRA	110	708.00	110	709.25
111	111				111	715.25	ULTRA	111	714.00	111	715.25
112	112				112	721.25	ULTRA	112	720.00	112	721.25
113	113				113	727.25	ULTRA	113	726.00	113	727.25
114	114				114	733.25	ULTRA	114	732.00	114	733.25
115	115				115	739.25	ULTRA	115	738.00	115	739.25
116	116				116	745.25	ULTRA	116	744.00	116	745.25
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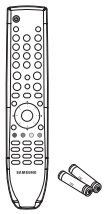
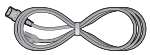
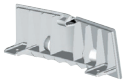
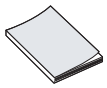
125	125				125	799.25	ULTRA	125	798.00	125	799.25
.	.				.	.	.	.	.	.	.

2-2. Specification Comparison to Old Models

Model	LC4E / LC5F / LC5K (LN22C450E1M/LN26C450E1M/LN32C450E1M/ LN32C530F1M/LN37C530F1M/LN40C530F1M/ LN46C530F1M/LN52C530F1M LN32C550J1M/LN40C550J1M/LN46C550J1M)	LB5K (LN32B550K1MXZD/LN40B550K1MXZD /LN46B550K1MXZD/LN52B550K1MXZD)
Design		
Display Type	LCD TV	LCD TV
Built-in Tuner	O	O
Resolution	1920 x 1080	1920 x 1080
LCD Panel	**TFT LCD Panel 60Hz**	TFT LCD Panel 60Hz
Screen Size	**HD : 26”/32”/37”/40” FHD : 32”/37”/40”/46”**	40”
Picture ratio	16 : 9	16 : 9
Dimensions (W x H x D)	**39.3 x 10.2 x 27 inches_with stand**	982.4 x 255.0 x 675.8 mm_with stand 982.4 x 78.6 x 626.3 mm_without stand
Weight	**39.7lbs(set)**	18 Kg_with stand 14.9 Kg_without stand
Brightness	500 nit	500 nit
Contrast Ratio	50,000:1	50000:1
Picture Enhacer	**X**	DNIe (FBE3)
Equalizer	5 Band	5 Band
Movie Plus(MJC)	**X**	O
Surround Sound	3 Way SRS TruSurround Dolby Digital	3 Way SRS TruSurround Dolby Digital
Speaker Output	10W + 10W	10W + 10W
Antenna	1(Cable/Air)	1 (Cable/Air)
HDMI	**3**	4
DLNA	X	X

2-3. Accessories

Product	Description	Code. No	Remark
	Remote Control & Batteries (AAA x 2)	HD : BN59-01011A FHD : BN59-01020A	Samsung Electronics Service center
	Power Cord	3903-000195	
	Cover-Bottom	FHD 32” : BN63-06389A 37”40”46” : BN63-06339A	
	Owner’s Instructions	HD C450 22”:BN68-02736A C450 26”32”:BN68-02736B FHD C530 : BN68-02639A C550 : BN68-02741A	
	Cleaning Cloth	BN63-01798B	
	Warranty Card/ Safety Guide Manual (Not available in all locations)	AA68-03242L AA68-03533A	

3. Disassembly and Reassembly

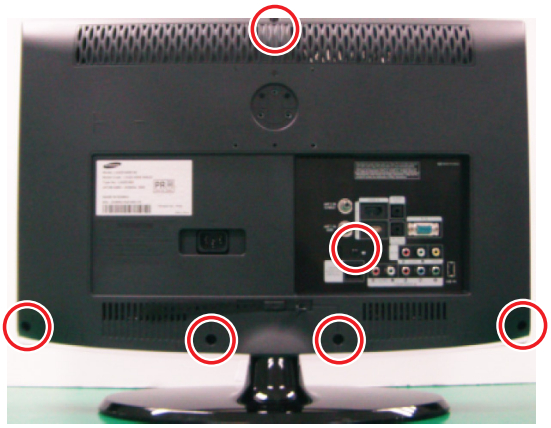
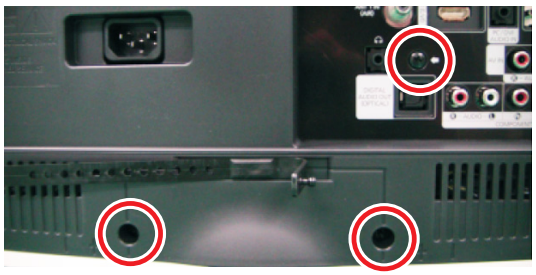
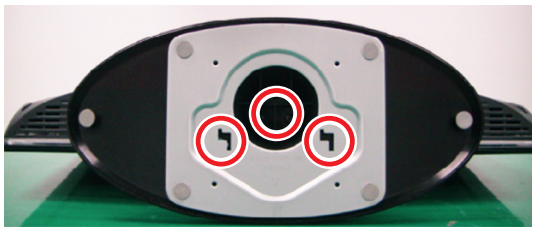
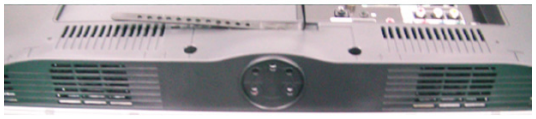
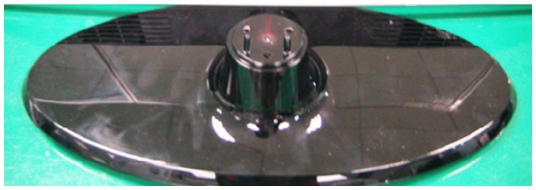
This section of the service manual describes the disassembly and reassembly procedures for the LCD TV.

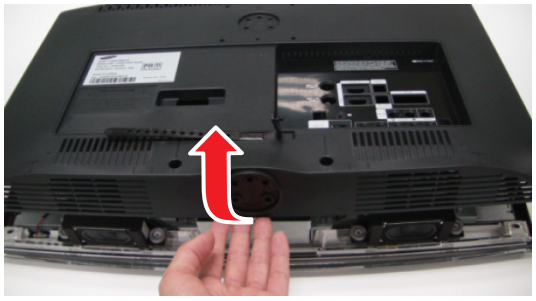
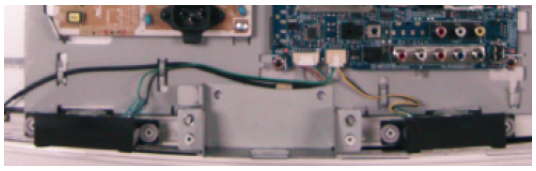
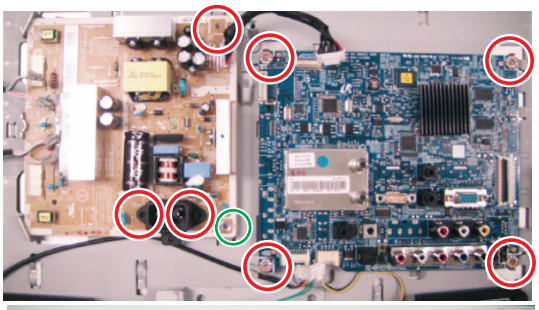
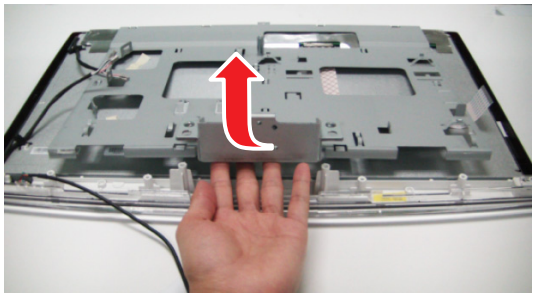
⚠ **WARNING:** This LCD TV contains electrostatically sensitive devices. Use caution when handling these components.

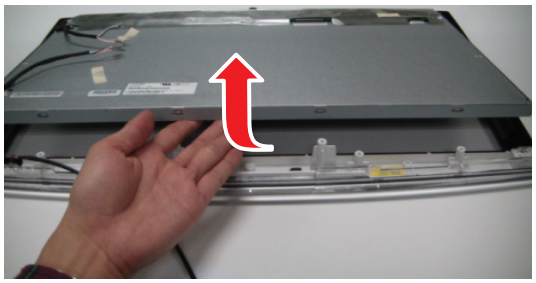
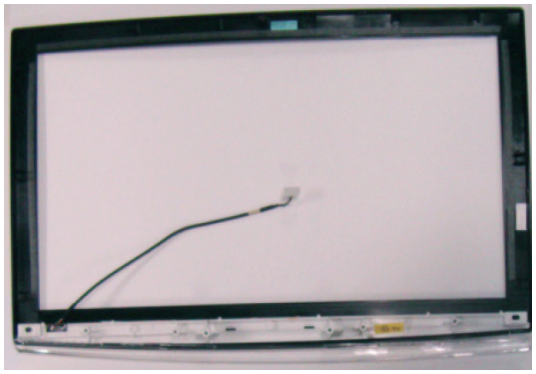
3-1. Disassembly and Reassembly

⚠ **Cautions:** 1. Disconnect the LCD TV from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

C450 22"

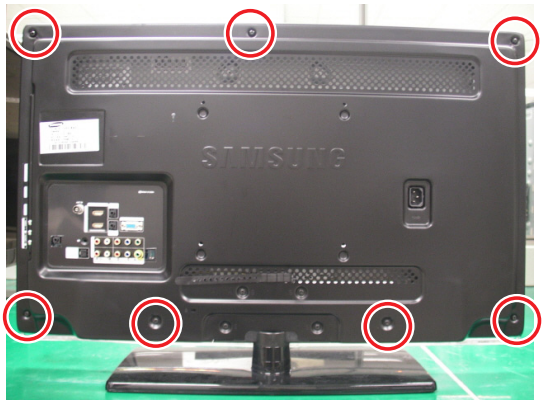
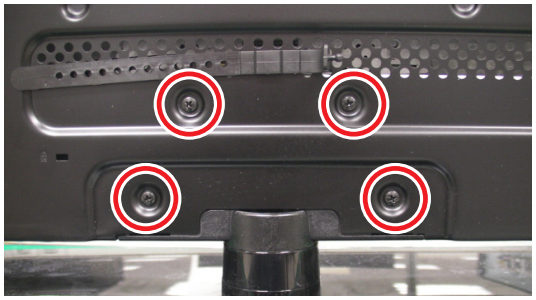
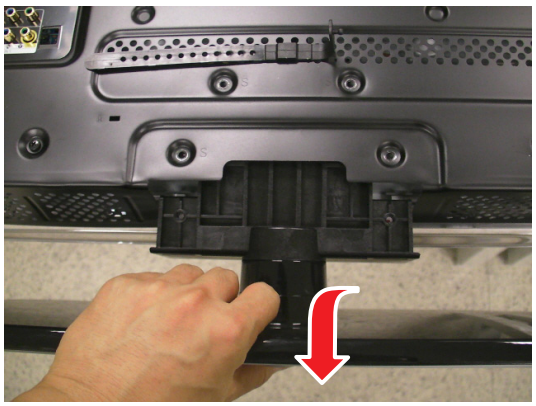
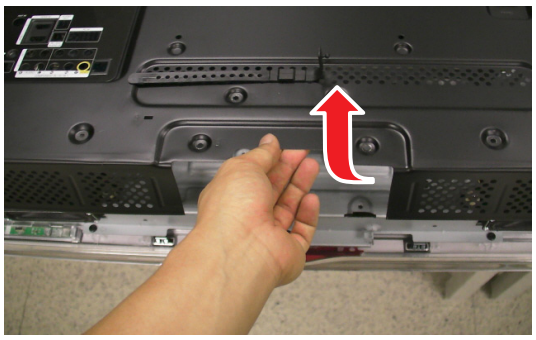
Description	Picture Description	Screws
1. Place the TV face down on cushioned table. Remove the screws from the Stand. Remove stand.		 O x 6
		 O x 3
2. Lift up rear cover and remove the stand.	  	 O x 3

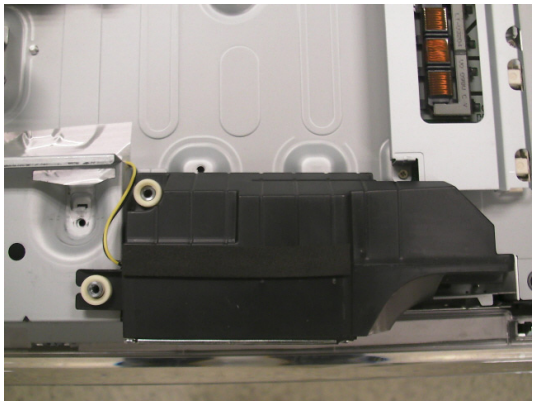
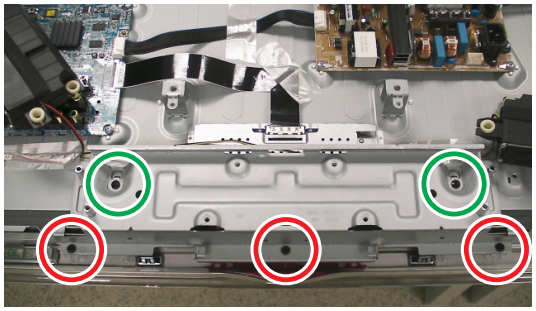
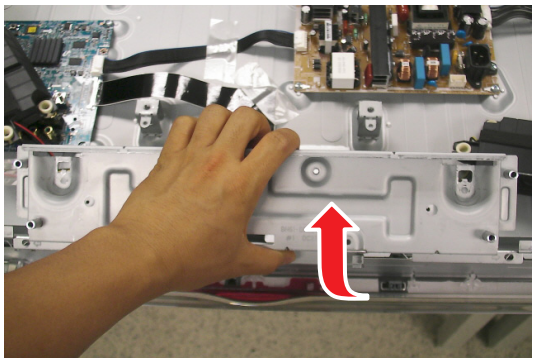
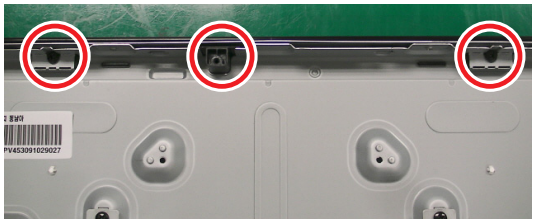
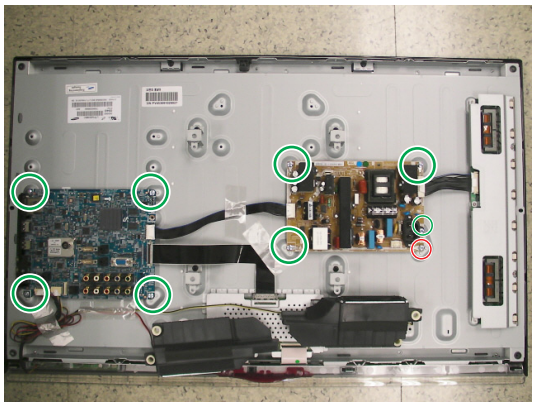
Description	Picture Description	Screws
		
3. Remove the left and right speaker.		
4. Remove Screw from the stand BRKT and lift up the stand BRKT.	 	O x 7 O x 1
5. Remove 3 screws from the Panel.		
6. Disonnect cable from the boards.		

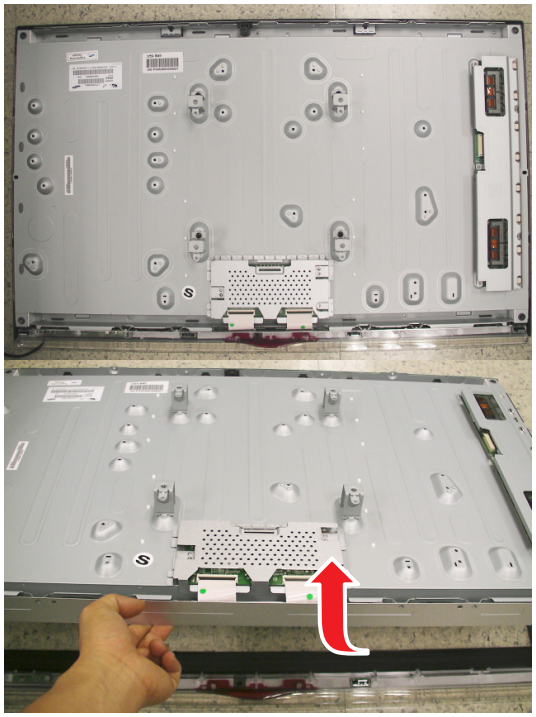
Description	Picture Description	Screws
7. Remove screws and Lift up the Lod panel.		
8. Remove the screws on Panel.	 	

※ Reassembly procedures are in the reverse order of disassembly procedures.

C530 / C550

Description	Picture Description	Screws
1. Place the TV face down on cushioned table. Remove the screws from the Stand. Remove stand.		 O x 7
		 O x 4
2. Lift up rear cover and remove the stand.	 	

Description	Picture Description	Screws
3. Remove the left and right speaker.		
4. Remove Screw from the stand BRKT and lift up the stand BRKT.	 	 O x 3 O x 2
5. Remove 3 screws from the Panel.		 O x 3
6. Disonnect cable from the boards.		 O x 8 O x 1

Description	Picture Description	Screws
7. Remove screws and Lift up the Lod panel.		
8. Remove the screws on Panel.		

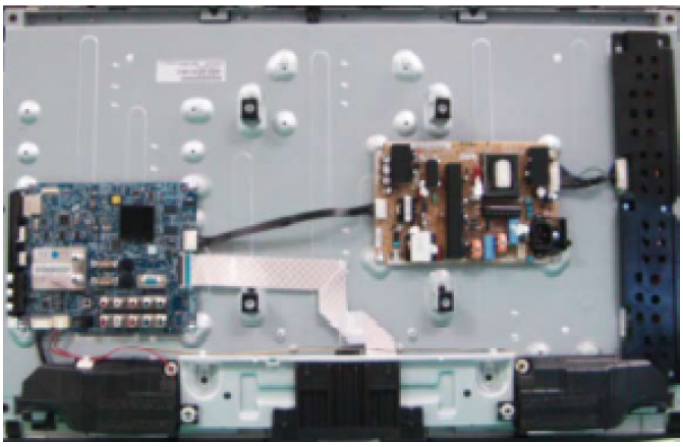
※ Reassembly procedures are in the reverse order of disassembly procedures.

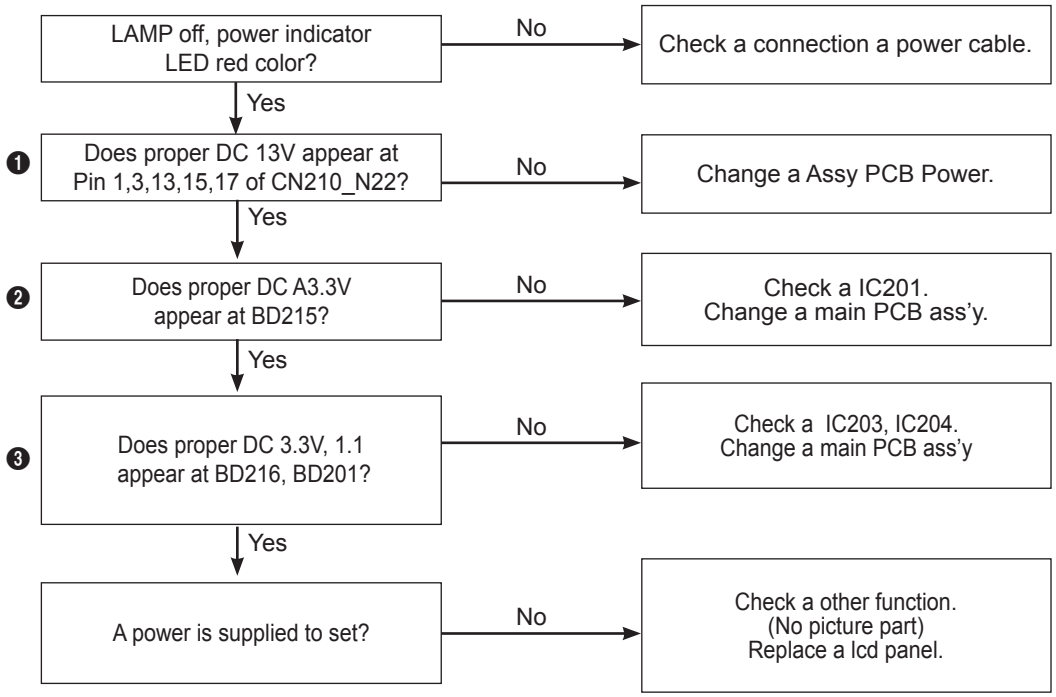
4. Troubleshooting

4-1. Troubleshooting

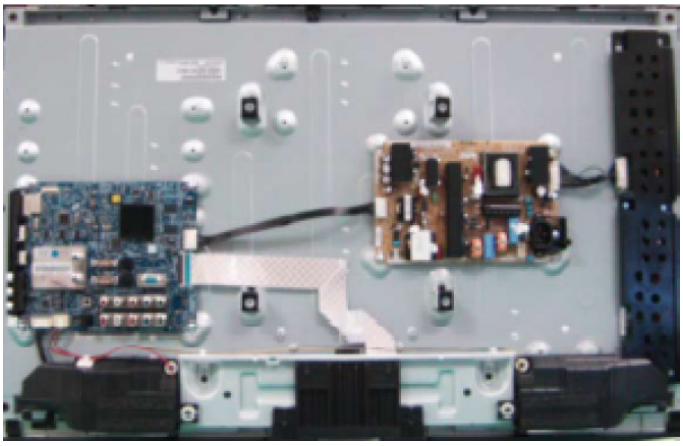
1. Check the various cable connections first.
   • Check to see if there is a burnt or damaged cable.
   • Check to see if there is a disconnected or loose cable connection.
   • Check to see if the cables are connected according to the connection diagram.
2. Check the power input to the Main Board.

4-1-1. No Power

Symptom	– The LEDs on the front panel do not work when connecting the power cord. – The SMPS relay does not work when connecting the power cord. – The units appears to be dead.
Major checkpoints	The IP relay or the LEDs on the front panel does not work when connecting the power cord if the cables are improperly connected or the Main Board or SMPS is not functioning. In this case, check the following: – Check the internal cable connection status inside the unit. – Check the fuses of each part. – Check the output voltage of SMPS. – Replace the Main Board.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.


LAMP off, power indicator LED red color?
No
Check a connection a power cable.
Yes
❶
Does proper DC 13V appear at Pin 1,3,13,15,17 of CN210_N22?
No
Change a Assy PCB Power.
Yes
❷
Does proper DC A3.3V appear at BD215?
No
Check a IC201. Change a main PCB ass'y.
Yes
❸
Does proper DC 3.3V, 1.1 appear at BD216, BD201?
No
Check a IC203, IC204. Change a main PCB ass'y
Yes
A power is supplied to set?
No
Check a other function. (No picture part) Replace a lcd panel.

4-1-2. No Video (Analog PC signal)

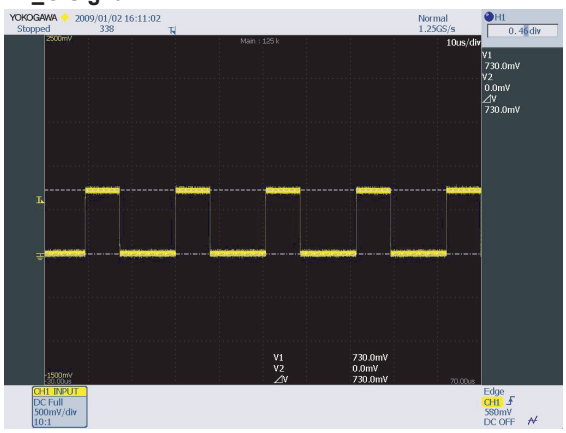
Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the PC source – Check the SETD-10 (SX1) – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

WAVEFORMS

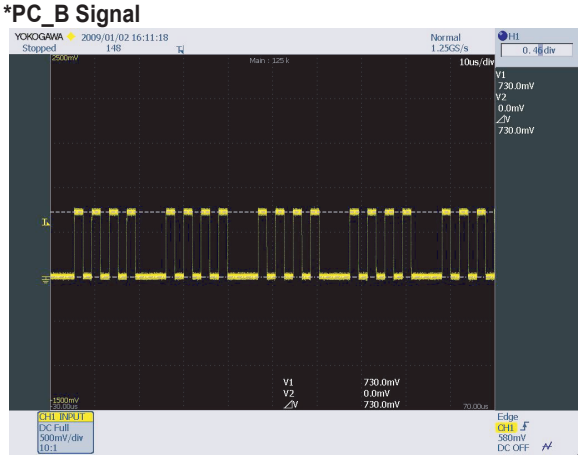
❶	R,G,B Output Signal

*PC_R Signal

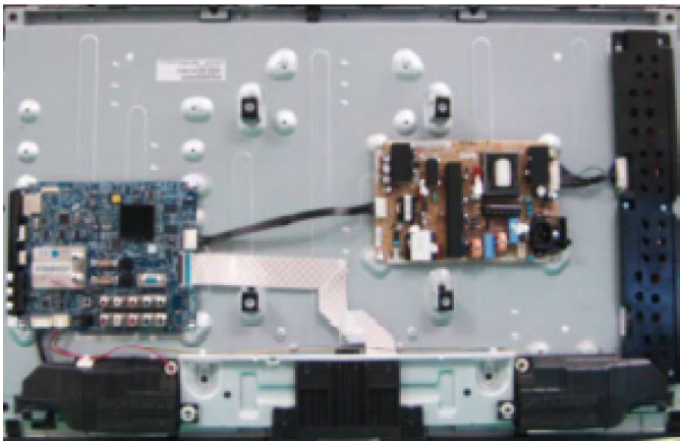
*PC_G Signal



*PC_B Signal

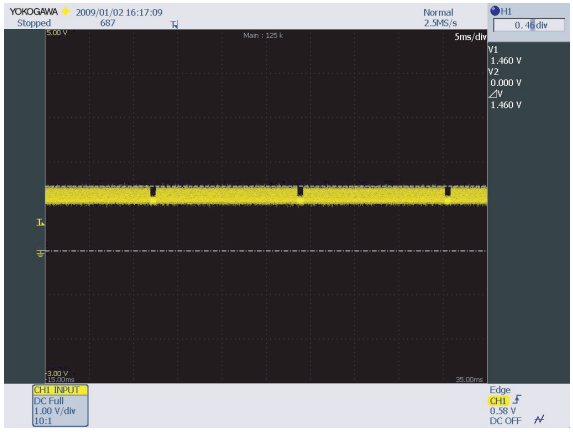


4-1-3. No Video (HDMI - Digital Signal)

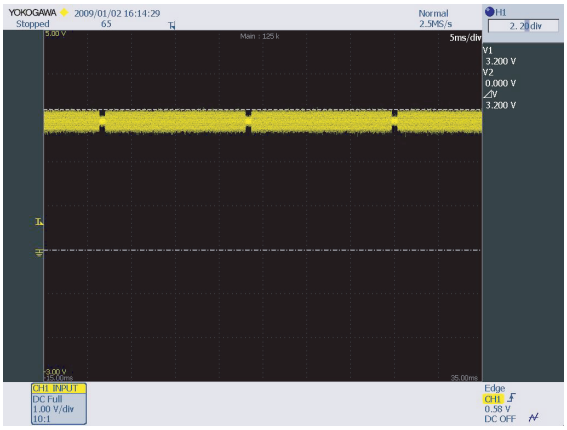
Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the HDMI source – Check the SETD-10 (SX1) – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

WAVEFORMS

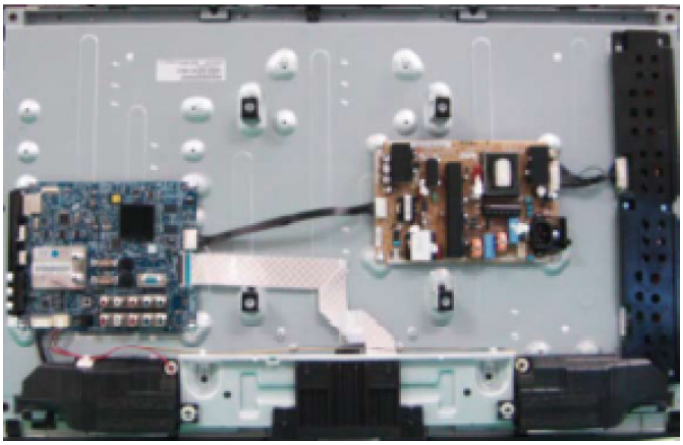
❶	**Signal of HDMI(Data)**



❷	**Digital Output Data**

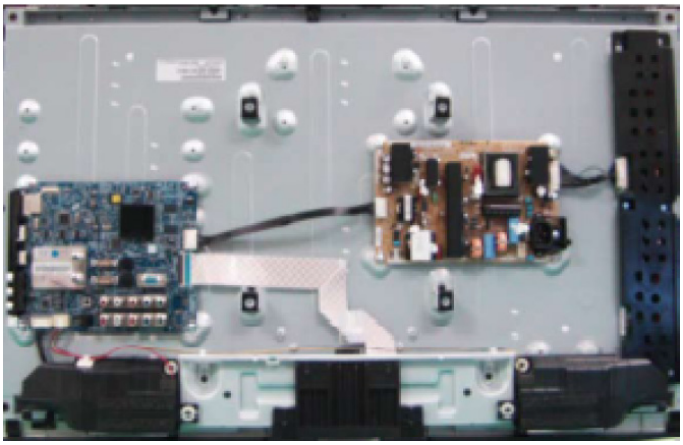


4-1-4. No Video (Tuner_CVBS)

Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the Tuner CVBS source – Check the SETD-10 (SX1) – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

Power Indicator is off.
Lamp on, no picure.
No
Connect the RF cable and check RF signal.
Yes
❶ Does the signal appear at L1654?
No
Check a B+ voltage (#4 of Tuner) 5V, change a main PCB ass'y.
Yes
❷ [4] Does the signal appear at Pin 16 of TU1651?
No
Check a TU1651. Change a main PCB ass'y.
Yes
❸ Does the digital data appear at the output of LVDS Signal?
No
Check a IC1102. Change a main PCB ass'y
Yes
Check the LVDS cable? Replace the LCD panel?
No
Please, Contact Tech support.

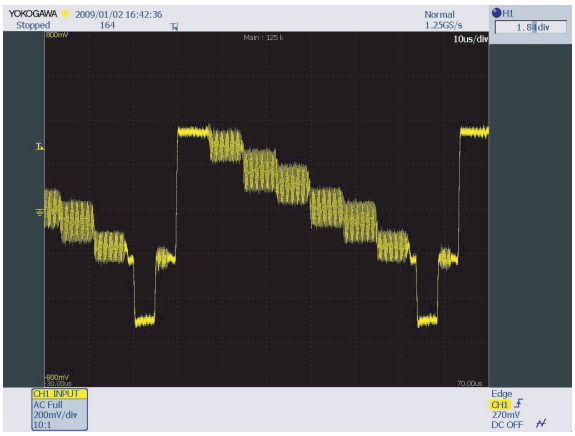
4-1-5. No Video (Tuner_DTV)

Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the Tuner DTV source – Check the SETD-10 (SX1) – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

Power Indicator is off.
Lamp on, no picure.
No
Connect the RF cable and check RF signal.
Yes
❶ Does the signal appear at L1654?
No
Check a B+ voltage (#3 of Tuner) 5V, change a main PCB ass'y.
Yes
❹ [4] Does the signal appear at pin 18~28 of TU1651?
No
Check a TU1651. Change a main PCB ass'y.
Yes
❸ Does the digital data appear at the output of LVDS Signal?
No
Check a IC1102. Change a main PCB ass'y.
Yes
Check the LVDS cable? Replace the LCD panel?
No
Please, Contact Tech support.

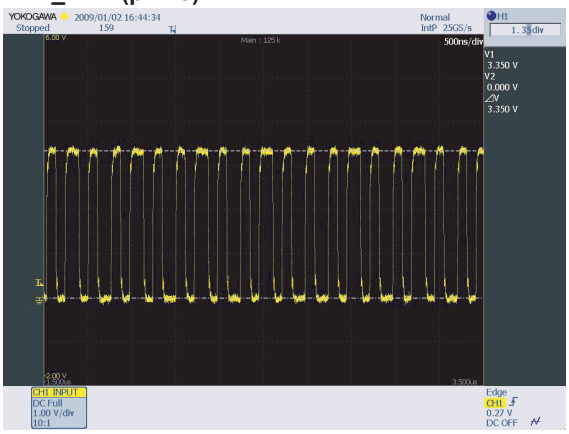
WAVEFORMS

❷ CVBS Output Signal

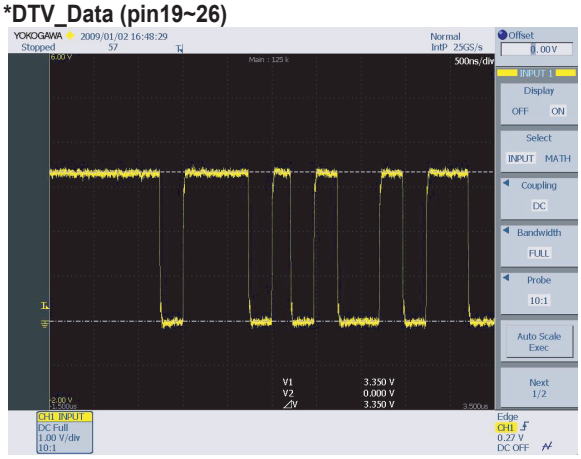


❹ Tuner_DTV OutPut Signal

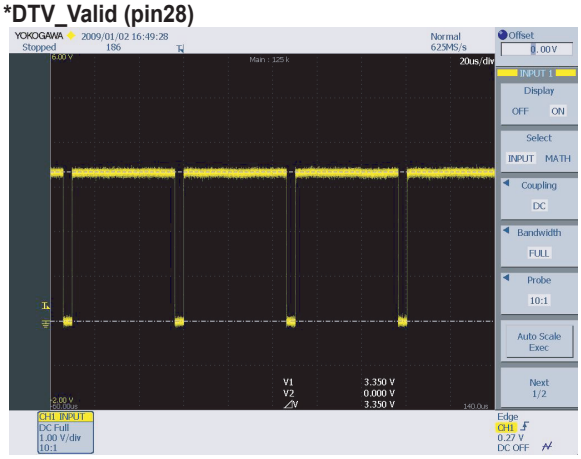
*DTV_CLK (pin18)



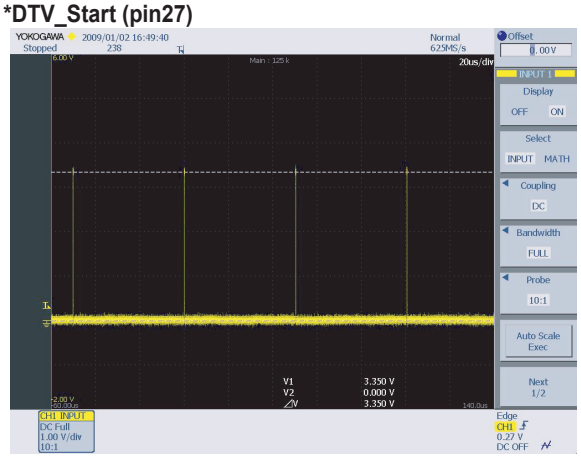
*DTV_Data (pin19~26)



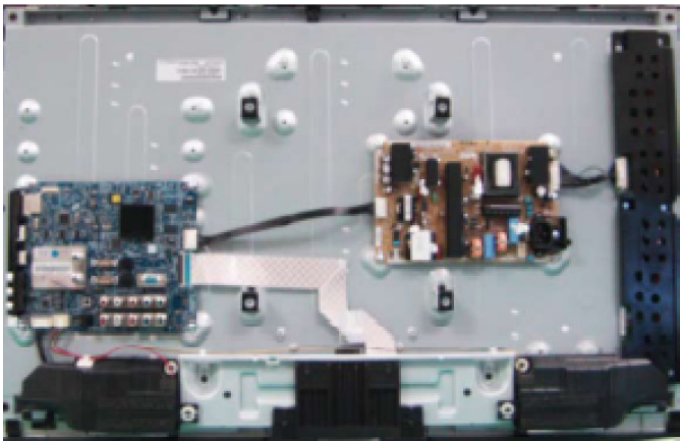
*DTV_Valid (pin28)



*DTV_Start (pin27)

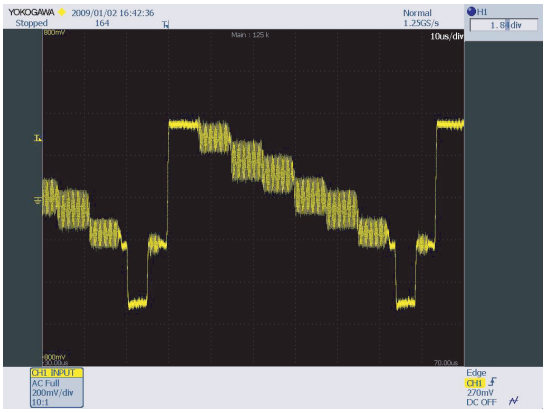


4-1-6. No Picture (Video_CVBS)

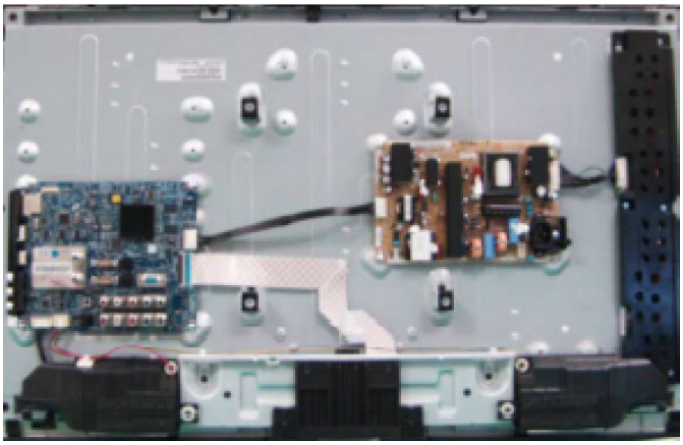
Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the Video Source – Check the SETD-10 (SX1) – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

WAVEFORMS

❶	AV_CVBS Output Signal

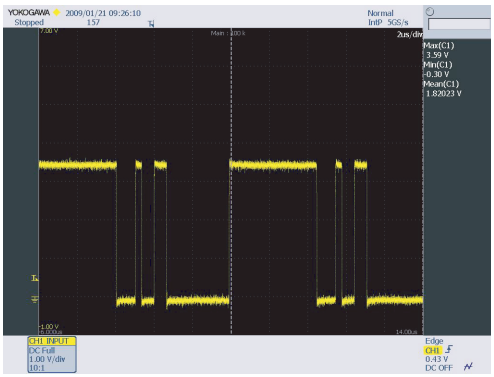


4-1-7. No Sound

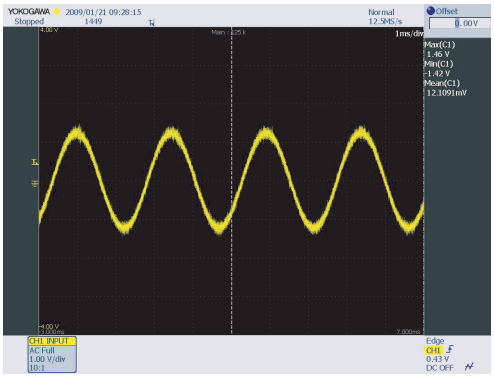
Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the RF Source – Check the TAS5715 – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	
Caution	Make sure to disconnect the power before working on the IP board.

WAVEFORMS

❶	**I2C Data**



❸	**Speaker out**



4-2. Alignments and Adjustments

4-2-1. General Alignment Instuction

1. Usually, a color LCD-TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test result.
5. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
6. Do not attempt to connect or disconnect any wire while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
7. To protect against shock hazard, use an isolation transformer.

4-3. Factory Mode Adjustments

4-3-1 Entering Factory Mode

To enter 'Service Mode' Press the remote -control keys in this sequence :

- If you do not have Factory remote - control

Power OFF → MUTE → 1 → 8 → 2 → Power On

4-3-2 How to Access Service Mode

Using the Customer Remote

1. Turn the power off and set to stand-by mode
2. Press the remote buttons in this order; POWER OFF-MUTE-1-8-2-POWER ON to turn the set on.
3. The set turns on and enters service mode. This may take approximately 20 seconds.
4. Press the Power button to exit and store data in memory.
   - If you fail to enter service mode, repeat steps 1 and 2 above.
5. Initial SERVICE MODE DISPLAY State

Option
ADC/WB
Control
Advanced : 0->0->0->0->EXIT
Expert
T-CRLIBRFC-xxxx (FHD) , T-CRLIBRHC (HD) T-CRLIBRS-xxxx DTP-LP-0144-01 DTP-LP-App-0126-01 OPTION : E030 01 ADC : HDMI COMP PC AV EDID : FAIL/SUCCESS HDCP : FAIL/SUCCESS Build Date : Month-day-year Date Of Purchase

* How to enter the hidden factory mode.
  a. into the factory mode
  b. move the tap to Advanced
  c. key input : 0 + 0 + 0 + 0
  ** hidden menu : Advanced

6. Buttons operations withn Service Mode

Menu	Full Menu Display/Move to Parent Menu
Direction Keys ▲/▼	Item Selection by Moving the Cursor
Direction Keys ◄/►	Data Increase / Decrease for the Selected Item
Source	Cycles through the active input source that are connected to the unit

4-3-3 Factory Data

Option	Factory Name	Data	Range
	Factory Reset	-	
	Type	32L6AFOC	19D6TH0C,19I6TH0C,22D6TH0C,22L6TH0C, 22I6TH0C, 26D6TH0C,26L6AH0C, 32A6AH0C,32L6AH0C,32D6AH0C, 37L6AH0C,37I6AH0C,40L6AH0C, 32A6AFOC,32L6AFOC, 32D6AFOC, 37L6AFOC,37D6AFOC,40A6AFOC, 40L6AFOC,40D6AFOC,46A6AFOC, 46L6AFOC,46D6AFOC, 52A6AFOC, 52L6AFOC
	Model	LB530	LB350/LB450/LB460/LB530/LB650
	TUNER	Auto	Auto/Sem_SL/Alps_SL
	Region	BR	BR
	DDR	SAMSUNG	SAMSUNG/Etron
	Light Effect	Off	Off/On
	Init Color System	-	-

ADC/WB	Factory Name
	ADC ADC Tarhet ADC RESULT WB

ADC	Factory Name	Data	Range
	AV Calibration	Success	Failure/Success
	Comp Calibration	Success	Failure/Success
	PC Calibration	Success	Failure/Success
	HDMI Calibration	Success	Failure/Success

ADC Target	Factory Name	Data	Range
	1st_AV_Low	18	0 ~ 255
	1st_AV_High	220	0 ~ 255
	1st_AV_Delta	1	0 ~ 255
	1st_Comp_Low	16	0 ~ 255
	1st_Comp_High	235	0 ~ 255
	1st_Comp_Delta	1	0 ~ 255
	1st_PC_Low	2	0 ~ 255
	1st_PC_High	253	0 ~ 255
	1st_PC_Delta	1	0 ~ 255
	2nd_Low	1	0 ~ 255
	2nd_High	235	0 ~ 255
	2nd_Delta	1	0 ~ 255

ADC RESULT	Factory Name	Mode				Range
		AV	Component	PC	HDMI	
	1st_AV_Gain	128	128	128	128	0 ~ 255
	1st_AV_Offset	140	140	140	140	0 ~ 255
	1st_Comp_Gain	70	70	70	70	0 ~ 255
	1st_Comp_Gain_Cb	70	70	70	70	0 ~ 255
	1st_Comp_Gain_Cr	70	70	70	70	0 ~ 255
	1st_Comp_Offset	127	127	127	127	0 ~ 255
	1st_Comp_Offset_Cb	127	127	127	127	0 ~ 255
	1st_Comp_Offset_Cr	127	127	127	127	0 ~ 255
	1st_PC_R_Gain	88	88	88	88	0 ~ 255
	1st_PC_G_Gain	87	87	87	87	0 ~ 255
	1st_PC_B_Gain	87	87	87	87	0 ~ 255
	1st_PC_R_Offset	125	125	125	125	0 ~ 255
	1st_PC_G_Offset	139	139	139	139	0 ~ 255
	1st_PC_B_Offset	144	144	144	144	0 ~ 255
	2nd_R_Offset	110	113	114	113	0 ~ 255
	2nd_G_Offset	110	113	114	113	0 ~ 255
	2nd_B_Offset	110	113	114	113	0 ~ 255
	2nd_R_Gain	164	143	164	144	0 ~ 255
	2nd_G_Gain	164	143	163	144	0 ~ 255
	2nd_B_Gain	164	143	164	144	0 ~ 255

WB	Factory Name	Mode					Range
		26"_HD	32" (HD/FHD)	37" (HD/FHD)	40" (HD/FHD)	46" FHD	
	Sub Brightness	128	128	128	128	128	0~255
	R_Offset	128	128	128	128	128	0~255
	G_Offset	128	128	128	128	128	0~255
	B_Offset	128	128	128	128	128	0~255
	Sub Contrast	145	(150/133)	(145/136)	(145/133)	133	0~255
	R_Gain	128	128	128	128	128	0~255
	G_Gain	128	128	128	128	128	0~255
	B_Gain	128	128	128	128	128	0~255
	Movie R Offset	125	125	125	125	125	0~255
	Movie B Offset	135	135	135	135	135	0~255
	Movie R Gain	154	154	154	154	154	0~255
	Movie B Gain	46	46	46	46	46	0~255

Control	Factory Name
	EDID
	Sub Option
	PDP Option
	Hotel Option
	Shop Option
	Sound
	Config Option

EDID	Factory Name	Data	Range
	EDID ON/OFF	OFF	ON/OFF
	EDID WRITE ALL	Success	Failure/Success
	EDID WRITE PC	Success	Failure/Success
	EDID WRITE DVI	Success	Failure/Success
	EDID WRITE HDMI1	Success	Failure/Success
	EDID WRITE HDMI2	Success	Failure/Success
	EDID WRITE HDMI3	Success	Failure/Success
	EDID WRITE HDMI4	Failure	Failure/Success
	EDID VERSION	HDMI1.3	HDMI1.2/HDMI1.3

Sub Option	Factory Name	Data	Range
	Mute Time(VIDEO)	4	0~10
	ready	Failure	
	Hotplug	On	On/Off
	Hotplugcontrol	On	On/Off
	Spread Spectrum	-	-
	5-1. Spread Spectrum	Off	On/Off
	5-2. Period	-	-
	5-3. Amplitude	-	-
	5-4. DDR Spread	Off	Off/1% Spread/2% Spread
	Auto Power	On	On/Off
	DDR	-	-
	Arab	Off	
	NT Conversion	Off	
	Mirror	On	On/Off
	HDMI EQ1	Middle	Low/Middle/High/Strong
	HDMI EQ2	Middle	Low/Middle/High/Strong
	HDMI EQ3	Middle	Low/Middle/High/Strong
	HDMI EQ4	-	-
	EER Count	-	-
	WM Calib	-	OK
	Panel Enter Key	-	-
	Panel Display Time	*Hr	-
	CHECKSUM	OxOOOO	
	View Log	-	-
	Font Data Viewer	-	-
	Dimm Type	EXT	INT/INT_NEG/EXT_NEG/EXT
	Gamma	Off	Off/0.85/0.88/0.90/0.93/0.95/0.98
	Carrier Mute	Off	On/Off
	Anynet+	On	On/Off
	HPD Polarity	-	-
	High Devi	Off	On/Off
	Volume Curve	BR	EU/EA/NT/BR
	HotPlug Delay	9	
	HP Ident	High	
	PC Ident	On	On/Off
	Info Live	-	-
	Watchdog	On	On/Off
	LVDS Format	JEIDA	
	OSD Resolution	1366+768	HD : 1366*768 , FHD : 1920*1080
	Bus Stop	-	-
	OTA Code	-	-
	Panel Auto Setting	-	-
	OTA Duration Test	-	-
	Alternate Del	-	-
	Ignore VCT Version	Off	-

Spread Spectrum	Factory Name	Data	Range
	Spread Spectrum	On	On / Off
	Period	50K	40K / 50K / 60K
	Amplitude	2	0 / 0.5 / 1 / 1.5 / 2
	DDR Spread	2% Spread	Off / 1% Spread / 2% Spread

Shop Option	Factory Name	Data	Range
	Shop Mode	OFF	ON/OFF
	USB DEMO ON(SEC)	-	-
	USB DEMO ON(SEC)	-	-

Sound	Factory Name	Data	Range
	BD Mode	-	-
	A2K Prescale	20	0~40
	BTSC Mono Prescale	44	0~80
	BTSC Stereo Prescale	44	0~80
	SAP Prescale	44	0~80
	BTSC M2S Threshold	0x20	0x00~0x7F
	BTSC S2M Threshold	0x15	0x00~0x7F
	BTSC Pilot NSR On Thr	-	-
	BTSC Pilot NSR Off Thr	-	-
	BTSC Stereo On Thr	0x10	0x00~0x7F
	BTSC Stereo Off Thr	0x18	0x00~0x7F
	SAP Amp On Thr	0x01	0x00~0x7F
	SAP Amp Off Thr	0x00	0x00~0x7F
	SAP NSR On Thr	0x30	0x00~0x7F
	SAP NSR Off Thr	0x45	0x00~0x7F
	Carrier Mute Amp On Thr	-	-
	Carrier Mute Amp Off Thr	-	-
	Carrier NSR On Thr	0x1C	0x00~0x7F
	Carrier NSR Off Thr	0x30	0x00~0x7F
	Carrier Mute Thr high[H-dev]	0x39	0x00~0x7F
	Carrier Mute Thr Low[H-Dev]	0x26	0x00~0x7F
	MP3 Level	-6dB	0~-12dB
	Master Vol	32	0~47
	PWM Modulation	254	0~255
	DRC1 Threshold	0x35	0x00~0xFF
	DRC2 Threshold	0x23	0x00~0xFF
	SPEAKER EQ	On	On/Off
	SC1 Vol	16	0~40
	SC2 Vol	16	0~40
	Audio Delay	20mS	0mS~150mS
	SUB AMP Master Vol	-	-
	SUB AMP PWM Mod	-	-
	SUB DRC Thresh	-	-
	SUB Speaker EQ	-	-

Config Option	Factory Name	Data	Range
	AV Number	2	0 ~ 2
	SVIDEO Number	0	0 ~ 1
	COMP Number	2	0 ~ 2
	HDMI Number	3	0 ~ 4
	SCART Number	0	
	DVI Number	0	0 ~ 1
	HP Number	1	0 ~ 1
	USB PORT	-	
	LNA SUPPORT	ON	On / Off
	MFT OFFSET	-	

Test Pattern	Factory Name	Data	Range
	Master Test Pattern	OFF	
	FBE Test Pattern	OFF	
	LOGIC Test Pattern	OFF	

Advanced	Factory Name
	FBE
	WB Movie
	EPA Standard
	ADJUST
	YC_Delay
	SHARPNESS
	PE
	PQ Others
	Color Space
	EEPROM RESET

WB Movie	Factory Name	Data	Range
	WB Movie	Off	On/Off
	Color Mode	Movie	Movie/Dynamic/Standard
	Color Tone	Cool	Warm2/Cool/Normal/Warm1
	Msub Brigh	128	0~255
	Msub Contr	128	0~255
	W1_RGAIN	149	0~255
	W1_BGAIN	82	0~255
	W1_ROFFS	124	0~255
	W1_BOFFS	130	0~255
	W2_RGAIN	154	0~255
	W2_BGAIN	46	0~255
	W2_ROFFS	125	0~255
	W2_BOFFS	135	0~255
	N_RGAIN	138	0~255
	N_BGAIN	110	0~255
	N_ROFFS	126	0~255
	N_BOFFS	127	0~255
	Movie Contr	100	0~100
	Movie Brigh	45	0~100
	Movie Color	55	0~100
	Movie Sharp	75	0~100
	Movie Tint	50	0~100
	Movie BKLight	10	0~10
	M.Gamma	0.95	“Off/0.85/0.88/0.90/0.93/0.95/0.98/M1/M2/M3/M4”
	M_Sub Gamma	0	-3~3

EPA Standard	Factory Name	Data	Range
	Std Contr	95	0~100
	Std Bright	45	0~100
	Std Sharp	50	0~100
	Std Color	50	0~100
	Std Tint	50	0~100
	Std Backlight	7	0~10

Adjust	Factory Name	Data	Range
	Dynamic Dimming	Off	Off/On
	LNA Plus		
	2-1 RF dB1 Level	3	0~255
	2-2 RF dB2 Level	6	0~255
	2-3 RF dB3 Level	12	0~255
	2-4 RF dB4 Level	31	0~255
	Power Key Protect	Off	Off/On
	Uart Select	Auto Wall	Auto Wall/Debug/MDC/On1/On2
	Debug Mode	Debug Off	Debug Off/Debug Smart/Debug Run Time
	Back End Mute	-	-
	PDP FRC	-	-
	Visual Test	Disable	Disable/Enable
	Standby Mode Time	45Min	2Min/45Min
	Delete alt.ver	2Flash	-
	OTA confirm Time	90Min	2Min/90Min
	OTA limit Time	3Hour	3Min/3Hour
	Dynamic CE	Off	Off/On
	FWC	Off	Off/On
	1080p 48Hz	On	Off/On
	PWM Max	100	1~100
	Quick Start	Off	Off/On
	DTV LNA	Auto	Auto/Off/On
	HDCP Download	Off	-
	USB Download	-	-

YC_Delay	Factory Name	Data	Range
	PAL BG	1	0~3
	PAL DK	1	0~3
	PAL I	1	0~3
	SECAM BG	4	0~7
	SECAM DK	4	0~7
	SECAM L	2	0~7
	NTSC 358	1	0~3
	NTSC 443	1	0~3
	AV PAL	1	0~3
	AV SECAM	7	0~7
	AV NT358	1	0~3
	AV NT443	1	0~3
	AV PAL60	1	0~3
	AV PAL M		
	AV PAL N		

SHARPNESS	Factory Name	Data	Range
	H1 Gain	0x10	0x00~0x3F
	H2 Gain	0x0C	0x00~0x3F
	H3 Gain	0x08	0x00~0x3F
	H4 Gain	0x08	0x00~0x3F
	V1 Gain	0x15	0x00~0x3F
	V2 Gain	0x0C	0x00~0x3F
	H overshoot	0x10	0x00~0xFF
	V overshoot	0x40	0x00~0xFF
	H undershoot	0x10	0x00~0xFF
	V undershoot	0x40	0x00~0xFF
	Coring TH2	0x03	0x01~0x0F
	Coring TH1	0x01	0x01~0x0F

PE	Factory Name	Data	Range
	Skin_x	0x00	0x00~0x0A
	Skin_y	0x01	0x00~0x0A
	B_Slope	0x9A	0x80~0xFF
	DLC_ML	0x90	0x00~0xFF
	DLC_MH	0x90	0x00~0xFF
	DLC_H	0xEB	0x00~0xFF
	Skin_SAT	0x04	0x00~0x0F
	Skin_HUE	0x40	0x00~0x7F
	M_Skin_HUE	0x3F	0x00~0x7F
	M_Skin_x	0x00	0x00~0x0A
	M_Skin_y	0x01	0x00~0x0A
	Mid_color_level	0xAF	0x00~0xFF
	M_mid_color_level	0xA0	0x00~0xFF

PQ Others	Factory Name	Data	Range
	7.5 IRE NTSC	Off	On / Off
	7.5IRE	16	0 ~ 60

Color Space	Factory Name	Data	Range
	Red Sat	0x16	0x00~0x1E
	Red Hue	0x60	0x00~0x7F
	Green Sat	0x15	0x00~0x1E
	Green Hue	0x70	0x00~0x7F
	Blue Sat	0x1A	0x00~0x1E
	Blue Hue	0x60	0x00~0x7F
	Cyan Sat	0x19	0x00~0x1E
	Cyan Hue	0x50	0x00~0x7F
	Magenta Sat	0x10	0x00~0x1E
	Magenta Hue	0x40	0x00~0x7F
	Yellow Sat	0x15	0x00~0x1E
	Yellow Hue	0x10	0x00~0x7F
	FWC Blue	0x13	0x00~0x1E
	FWC Red	0x0D	0x00~0x1E

EEPROM RESET	Factory Name	Data	Range
	EEPROM RESET	Off	On/Off
	NVR All Clear	Off	On/Off

Expert	Factory Name	Data	Range
	N/D ADJ	Off	On/Off
	SOURCE	Current	All/Current

4-4. White Balance - Calibration

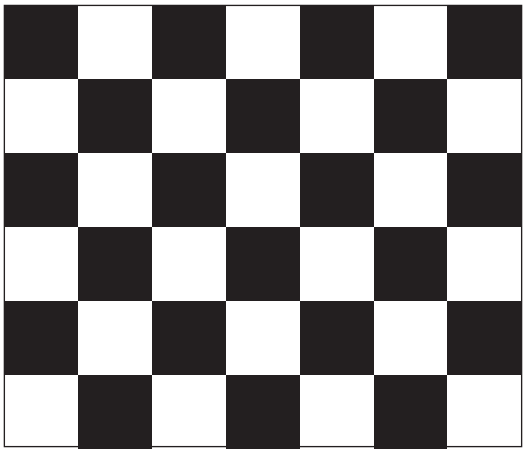
4-4-1 White Balance -Calibration

1. Calibration	→	AV Calibration Comp Calibration PC Calibration HDMI Calibration

4-4-2 Service Adjustment - You must perform Calibration in the Lattice Pattern before adjusting the White Balance.

■ Color Calibration

Adjust spec.
1. Source : HDMI
2. Setting Mode : 1280*720@60Hz
3. Pattern : Pattern #24 (Chess Pattern)



(Chess Pattern)

4. Use Equipment : CA210 & Master MSPG925 Generator

- Use other equipment only after comparing the result with that of the Master equipment.

Input mode	Calibration	Pattern
CVBS IN (Model_#3)	Perform in NTSC B&W Pattern #24	Lattice
Component IN (Model_#6)	Perform in 720p B&W Pattern #24	Lattice
PC Analog IN (Model_#21)	Perform in VESA XGA (1024x768) B&W Pattern #24	Lattice
HDMI IN	Perform in 720p B&W Pattern #24	Lattice

<Table 1>

■ Method of Color Calibration (AV)

1) Apply the NTSC Lattice (N0. 3) pattern signal to the AV IN 1 port
2) Press the Source key to switch to “AV1” mode
3) Enter Service mode
4) Select the “Calibration” menu
5) Select the “AV Calibration” menu.
6) In “AV Calibration Off” status, press the “►” key to perform Calibration.
7) When Calibration is complete, it returns to the high-level menu.
8) You can see the change of the “AV Calibration” status from Failure to Success.

■ Method of Color Calibration (Component)

1) Apply the 720p Lattice (N0. 6) pattern signal to the Component IN 1 port
2) Press the Source key to switch to “Component1” mode
3) Enter Service mode
4) Select the “Calibration” menu
5) Select the “DTV Calibration” menu.
6) In “DTV (Component) Calibration Off” status, press the “►” key to perform Calibration.
7) When Calibration is complete, it returns to the high-level menu.
8) You can see the change of the “Comp Calibration” status from Failure to Success.

■ Method of Color Calibration (PC)

1) Apply the VESA XGA Lattice (N0. 21) pattern signal to the PC IN port
2) Press the Source key to switch to “PC” mode
3) Enter Service mode
4) Select the “Calibration” menu
5) Select the “PC Calibration” menu.
6) In “PC Calibration Off” status, press the “►” key to perform Calibration.
7) When Calibration is complete, it returns to the high-level menu.
8) You can see the change of the “PC Calibration” status from Failure to Success.

■ Method of Color Calibration (HDMI)

1) Apply the 720p Lattice (N0. 6) pattern signal to the HDMI1/DVI IN port
2) Press the Source key to switch to “HDMI1” mode
3) Enter Service mode
4) Select the “Calibration” menu
5) Select the “HDMI Calibration” menu.
6) In “HDMI Calibration Off” status, press the “►” key to perform Calibration.
7) When Calibration is complete, it returns to the high-level menu.
8) You can see the change of the “HDMI Calibration” status from Failure to Success.

4-4-3 White Balance - Adjustment

		(low light)	(hight light)
3. W/B	→	Sub Bright R offset G offset B offset	Sub Contrast R gain G gain B gain

(W/B adjustment Condition refer next page)

4-5. White Ratio (Balance) Adjustment

1. You can adjust the white ratio in factory mode (1:Calibration, 3:White-Balance).
2. Since the adjustment value and the data value vary depending on the input source, you have to adjust these in CVBS, Component 1 and HDMI 1 modes.
3. The optimal values for each mode are configured by default. (Refer to Table 1, 2)
   It varies with Panel's size and Specification.

- Equipment : CS-210
- Pattern: MIK K-7256 #92 "Flat W/B Pattern" as standard
- Use other equipment only after comparing the result with that of the Master equipment.
- Set Aging time : 60min

- Calibration and Manual setting for WB adjustment.

HDMI : Time #6 720P, Pattern #24 Chessboard Calibration → Manual adjustment #92 pattern (720p)
COMP: Time #6 720P, Pattern #24 Chessboard Calibration → Manual adjustment at #92 pattern (720p)
CVBS: Time #3 NTSC-J, Pattern #24 Chessboard Calibration → Manual adjustment at #92 pattern (NTSC)
PC: Time #21 1024*768, Pattern #24 Chessboard Calibration → Manual adjustment at #92 pattern (NTSC)

- If finishing in HDMI mode, adjustment coordinate is almost same in AV/COMP mode.
- White Balance Manual Adjustment

		CA-210			
		x	y	Y(L)	T(K) + MPCD
CVBS (NTSC)	H/L	272	278	- (Sub_CT:133)	12,000 (+/- 0)
	L/L	272	278	19.7cd/m^2 (5.8 Ft - Sub_BR:128)	12,000 (+/- 0)
COMP (720P)	H/L	272	278	- (Sub_CT:140)	12,000 (+/- 0)
	L/L	272	278	19.7cd/m^2 (3.5 Ft - Sub_BR:128)	12,000 (+/- 0)
HDMI (720P)	H/L	272	278	- (Sub_CT:140)	12,000 (+/- 0)
	L/L	272	278	19.7cd/m^2 (5.8 Ft - Sub_BR:128)	12,000 (+/- 0)

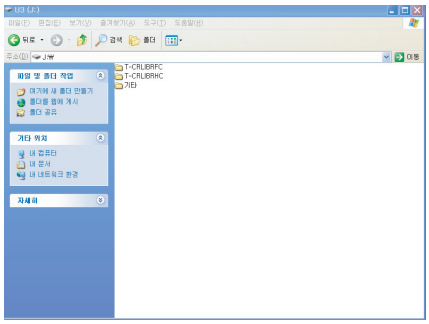
- Adjustment Specification
  White Balance : High light (±3), Low light (±5)
  Luminance : High light (±0.1Ft/L), Low light (±0.1Ft/L)

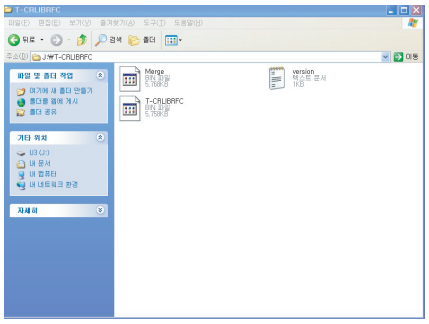
4-6. Servicing Information

4-6-1 USB Download Method

Samsung may offer upgrades for TV's firmware in the future. Please contact the Samsung call center at 1-800-SAMSUNG (7267864) to receive information about downloading upgrades and using a USB drive. Upgrades will be possible by connecting a USB drive to the USB port located on located on the back of your TV.

1. Insert a USB drive containing the firmware upgrade into the USB port on the Back of the TV.
   (USB drive make folder "T-TDT5IBRC" ,
   "T-TDT5IBRC" and this folder download micom program.)



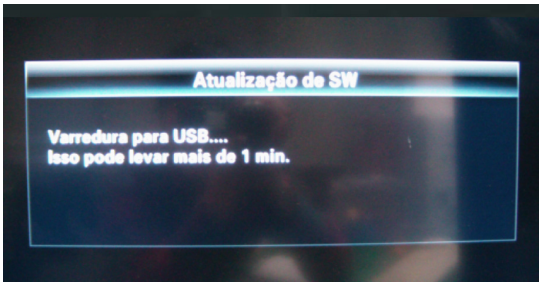


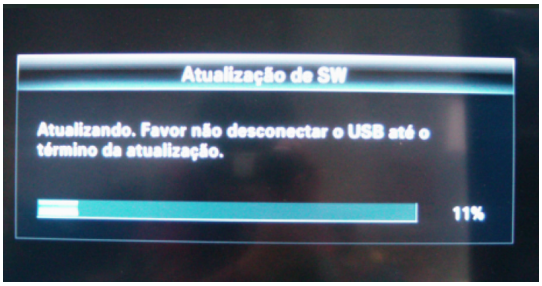
2. Insert USB drive.
   Menu -> Setup -> SW Update then press the ENTER button.
   The message “Scanning for USB. It may take up to 30 seconds.” Please be careful to not disconnect the power or remove the USB drive while upgrade is being applied.
   The message “Upgrade version XXXX to version XXXX ?
   The system would be reset after upgrade.”
   Press the left, right button to select “OK”.
   The TV will shut off after completing the firmware upgrade.
   Please check the firmware version after the upgrade is complete.

   -. Upgrade uses USB onlay

   -. Execute P&P after downloa

Auto Diagnóstico
Atualização de SW
Guia de Conexão HD
Entre em contato com a Samsung
Atualize o software utilizando esta função.



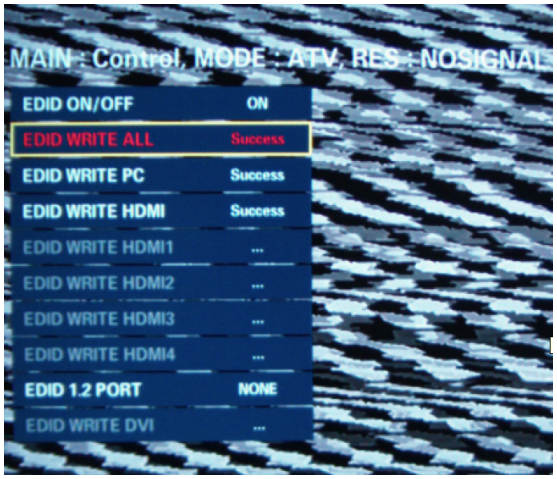


* How to check Program Version
1. To enter Factory mode
2. Check the micom version
   T-TDT5IBRC

4-7. EDID Self-Write Method

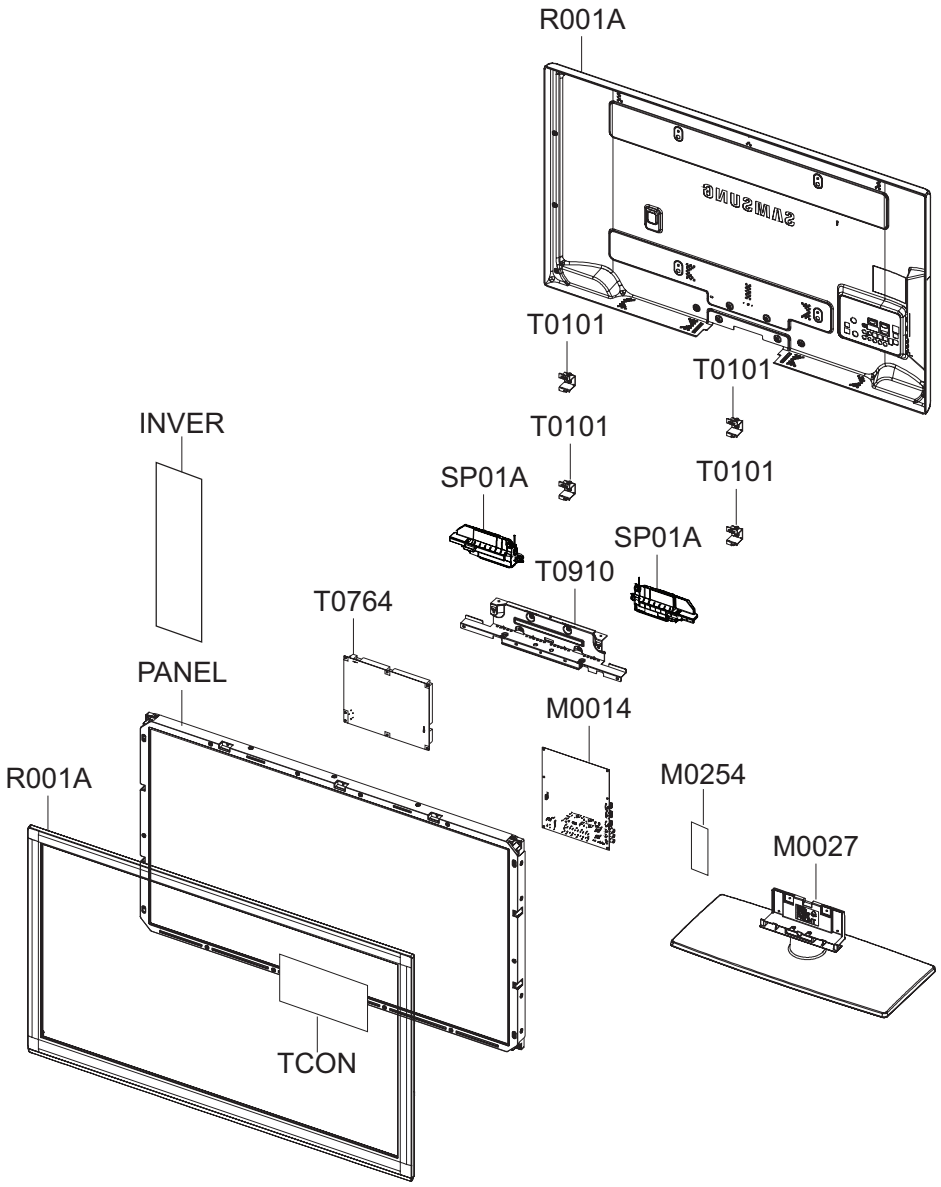
1. OSD in case of entering Factory : It's displayed to check if Self write runs normally.

2. How to EDID Self-Write
   Enter Factory Mode –> EDID –> EDID Write On/Off Press right button of Remocon –> Choose On
   And then All EDID Write Press right button of Remocon


MAIN : Control, MODE : ATV, RES : NOSIGNAL
EDID ON/OFF ON
EDID WRITE ALL Success
EDID WRITE PC Success
EDID WRITE HDMI Success
EDID WRITE HDMI1 ...
EDID WRITE HDMI2 ...
EDID WRITE HDMI3 ...
EDID WRITE HDMI4 ...
EDID 1.2 PORT NONE
EDID WRITE DVI ...

5. Exploded View & Part List

5-1. LN32C530F1M Exploded View



5-2. LN32C530F1M Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
F001A	BN96-12783C	ASSY COVER P-FRONT;32,LC530,BRAZIL,ABS+P	1	SA	
INVER	BN81-04167A	A/S-INVERTER LTF320HM01;LTF320HM01	1	SA	
M0014	BN94-03320Q	ASSY PCB MAIN;BN96-13022B	1	SNA	
M0027	BN96-09131A	ASSY STAND P-BASE;32,LB530,ABS+PMMA,HB,B	1	SA	
M0254	BN61-06296A	HOLDER-SIDE AV;LC530,SO,PMMA+ABS HB,BK00	1	SNA	
PANEL	BN07-00808A	LCD-PANEL;LTF320HM01,SSCZMS,8bit,31.5,16	1	SA	
R001A	BN96-12765F	ASSY COVER P-REAR;32,LC530,BRAZIL,PCM,T0	1	SA	
SP01A	BN98-02407A	ASSY K/D-SPEAKER;BN96-12871A,SEDA,Brazil	1	SA	
T0101	BN61-05996A	BRACKET-WALL;LC650 40,SECC,T1.2	4	SNA	
T0764	BN44-00339A	SMPS-LCD TV;P3237F1_ASM,P3237F1_ASM,AC/D	1	SA	
T0910	BN96-13341A	ASSY BRACKET P-STAND LINK;LC530 32,SECC,	1	SNA	
T0920	BN61-06020A	GUIDE-STAND;32,LC530,PC+GF,20%,V2,BK0007	1	SNA	
TCON	BN81-04151A	A/S-T CON LTF320HM01;LTF320HM01	1	SA	

5-2-1. LN32C530F1M Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
		LN32C530F1MXXT	LCD TV,LN32C530F1M,22,THAILAND,N88A/			
0.1		BN68-02379A	LABEL-STICKER;Brazila,PET,T0.05,30,100	1	SNA	
0.1	R001A	BN90-02446F	ASSY COVER REAR;32,LC530,BRAZIL	1	SNA	
..2	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	9	SA	
..2	R001A	BN96-12765F	ASSY COVER P-REAR;32,LC530,BRAZIL,PCM,T0	1	SA	
...3	M0006	BN63-06392E	COVER-REAR;32,LC530,SO,PCM,T0.5,BLK	1	SNA	
...3	T0071	BN64-01228F	INLAY-TERMINAL;LC450,ZD,PS SHEET,T0.5,BL	1	SNA	
...3		BN64-01270E	INLAY-AV;LC530,SO,PS SHEET,T0.5	1	SNA	
...3	T0139	BN65-00003A	CLAMPER BAG;42C7,LDPE,HB,BLK	1	SNA	
...3		BN60-00162X	SPACER-FOAM;FOAM,30000mm,Dark Gray,1T,15	1.77	SNA	
...3	AH358	BN61-06544A	HOLDER-REAR;LC650 32,PP,BLK	1	SNA	
0.1		BN90-02459C	ASSY COVER FRONT;32,LC530,BRAZIL	1	SNA	
..2	F001A	BN96-12783C	ASSY COVER P-FRONT;32,LC530,BRAZIL,ABS+P	1	SA	
...3	AB326	BN61-04661A	BRACKET-STOPPER;L650,SK-5,T0.4,Plating,H	4	SNA	
...3	CCM1	BN63-02183F	COVER-SHEET;Rhcm,PE Vinyl,T0.04,900mm,20	0.52	SNA	
...3		BN96-12789A	ASSY DECORATION P-BOTTOM;32,LC530,PC,CLE	1	SNA	
....4		BN61-04731B	BOSS-TAPE;AMBER,ACRYL,T1.1,W12.0mm,WHITE	0.46	SNA	
....4	AD070	BN64-01240A	DECORATION-BOTTOM;32,LC530,PC,CLEAR,V2,T	1	SNA	
....4		BN61-06617A	BOSS-TAPE;LC530,ACRYL,T1.1,W4.0mm,L135.0	1	SNA	
...3	FB09A	BN98-02486A	ASSY K/D-BOARD P-TOUCH FUNCTION&IR;BN96-	1	SA	
....4	M0014	BN94-03320Q	ASSY PCB MAIN;BN96-13022B	1	SNA	
.....5	EC13	BN39-01281A	LEAD CONNECTOR;LC650,UL1061 #28,10 to 8p	1	SA	
.....5		BN83-01715A	CKD-TAPE;SJ09-01-042A,#350LSE-3	1	SNA	
.....5		BN97-04044N	ASSY SMD;BN96-13022A	1	SNA	
......6		0403-001339	DIODE-ZENER;UDZS6.2B,6.06-6.33V,200mW,SO	2	SA	
......6		0406-001253	DIODE-TVS;VESD05A1-02V,6.0/6.8/7.5V,SOD-	2	SNA	
......6	L0405	0601-001915	LED;SMD,RED,1.6x0.8x0.6mm,660nm,1.6x0.8x	1	SA	
......6	D0254	0609-001346	MODULE REMOCON;SMD-H(R),5.9mm,0.590g	1	SNA	
......6	IS01A	1209-001900	IC-SENSOR;TOUCHCORE3.2-ML24IP,MLF,24P,4x	1	SA	
......6	IS01A	1209-001929	IC-SENSOR;CT802FN,6P,2x2x0.65mm,PLASTIC,	1	SA	
......6		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
......6	KAR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	3	SNA	
......6	CER02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	2	SNA	
......6	AR30	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	2	SA	
......6	RR2	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	7	SA	
......6	FAR22	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	2	SNA	
......6	AHR40	2007-000088	R-CHIP;7.5Kohm,5%,1/10W,TP,1608	2	SNA	
......6	MROP1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
......6	R320	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	SA	
......6	AC14	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	2	SNA	
......6	EC9	2203-005834	C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216	1	SA	
......6	C234	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,TP,1608	1	SNA	
......6	AD480	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,1005	1	SA	
......6	XE1	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	SA	
......6	CN906	3711-007091	CONNECTOR-HEADER;BOX,8P,1R,1.25mm,SMD-S,	1	SA	
......6		BN41-01382A	PCB-TOUCH;LC5F,FR-4,2,1.6T,165.0 x 138.0	1	SNA	
......6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		BN60-00162V	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.5T,	2.18	SNA	
...3		BN64-01245A	DECORATION-IN;46,LC530,PC,V2,RD0045(RED)	1	SNA	
...3	F001	BN63-06394C	COVER-FRONT;32,LC530,BRAZIL,ABS+PMMA,HB,	1	SNA	
..2	SP01A	BN98-02407A	ASSY K/D-SPEAKER;BN96-12871A,SEDA,Brazil	1	SA	
...3		BN83-01520A	CKD-SPEAKER;LCD350 22inch Speaker label,	1	SNA	
...3		BN83-01615A	CKD-SPEAKER;speaker unit,96mmx30mm, 6ohm	2	SNA	
...3		BN83-01616A	CKD-SPEAKER;CASE_L_TOP,195.2 x 36.7 x 37	1	SNA	
...3		BN83-01617A	CKD-SPEAKER;CASE_L_Bottom,173.1 x 36.7 x	1	SNA	
...3		BN83-01618A	CKD-SPEAKER;CASE_R_top,195.2 x 36.7 x 37	1	SNA	
...3		BN83-01619A	CKD-SPEAKER;CASE_R_bottom,173.1 x 36.7 x	1	SNA	
...3		BN83-01620A	CKD-SPEAKER;Wire ASS'Y,4pin, L530 / R 17	1	SNA	
...3		BN83-01621A	CKD-SPEAKER;Rubber Ring,4ea / set	4	SNA	
...3		BN83-01622A	CKD-SPEAKER;Screw,8ea / set	8	SNA	
...3		BN83-01623A	CKD-SPEAKER;Back Gasket,96 x 30 x 1t, E.	2	SNA	
...3		BN83-01624A	CKD-SPEAKER;Duct,59.3 x 9 x 1mm	2	SNA	
...3		BN83-01625A	CKD-SPEAKER;E.V.A_1,77mm x 13mmx 2t	4	SNA	
...3		BN83-01626A	CKD-SPEAKER;E.V.A_2,41mm x 9mmx 2t	8	SNA	
...3		BN83-01627A	CKD-SPEAKER;FELT_1,30mm x 7mmx 0.3t	4	SNA	
...3		BN83-01628A	CKD-SPEAKER;FELT_2,105mm x 13mmx 0.5t	2	SNA	
...3		BN83-01629A	CKD-SPEAKER;FELT_3,47mm x 25mmx 0.3t	2	SNA	
...3		BN83-01804A	CKD-SPEAKER;Clamp,20 x16mm	1	SNA	
...3		BN83-01849A	CKD-SPEAKER;P.E_Foam_5,40 x30 x3t	2	SNA	
0.1	S001A	BN90-02464C	ASSY STAND;32,LC530,W/W,BLACK	1	SNA	
..2	SG03A	BN96-12794C	ASSY STAND P-GUIDE;32,LC530,W/W,PC+G/F,2	1	SA	
...3	T0524	6902-001048	BAG PE;LDPE,T0.05,W160,L300,TRP,4g	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	
...3	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	SA	
...3	M0081	6003-001334	SCREW-TAPTYPE;BH,+,S,M4,L14,ZPC(BLK),SWR	3	SNA	
...3		6902-000683	BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,4-PE M	1	SNA	
...3	T0920	BN61-06020A	GUIDE-STAND;32,LC530,PC+GF,20%,V2,BK0007	1	SNA	
...3	GSN01	BN61-05213A	GUIDE-STAND NECK;32,LB530,ABS+PMMA,BK000	1	SA	
..2	M0027	BN96-09131A	ASSY STAND P-BASE;32,LB530,ABS+PMMA,HB,B	1	SA	
...3	M0081	6003-001239	SCREW-TAPTYPE;FH,+,B,M4,L10,ZPC(WHT),SWR	6	SNA	
...3	T0010	BN61-02232A	HOLDER-SWIVEL RING;32R71,ACETAL NATUAL,N	1	SNA	
...3	T0010	BN61-02233A	HOLDER-SWIVEL RING;32R71,ACETAL NATUAL,N	1	SNA	
...3		BN61-02236A	BRACKET-HINGE SWIVEL;BORDEAUX 32,SECC,T1	1	SNA	
...3		BN61-02932B	BRACKET-STOPPER NUT;L450,M4,OD8,L24,MOLD	3	SNA	
...3		BN61-03707A	BRACKET-STAND BOTTOM;PEARL 32,SECC,T2.0	1	SNA	
...3	CCM1	BN63-02183D	COVER-SHEET;Rhcm,PE Vinyl,T0.04,680mm,20	0.4	SNA	
...3		BN63-05520A	COVER-STAND BASE;32,LB530,ABS+PMMA,HB,BK	1	SNA	
...3	M0019	BN73-00052C	RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19,	6	SNA	
...3	T0524	6902-000241	BAG PE;HDPE/NITRON,T0.5/T0.012,W600,L600	1	SNA	
...3	T0920	BN61-03872A	GUIDE-STAND BOTTOM;32,L450,PC+GF,20% V2,	1	SNA	
...3	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	SA	
...3		BN74-00031A	GREASE;kanto-kasei FL-955,grease,wht	0.4	SNA	
0.1		BN91-04886A	ASSY LCD-AMLCD;BN07-00808A	1	SNA	
..2	PANEL	BN07-00808A	LCD-PANEL;LTF320HM01,SSCZMS,8bit,31.5,16	1	SA	
...3	TCON	BN81-04151A	A/S-T CON LTF320HM01;LTF320HM01	1	SA	
...3	INVER	BN81-04167A	A/S-INVERTER LTF320HM01;LTF320HM01	1	SA	
0.1	M0017	BN91-04999A	ASSY CHASSIS;LN46C530F1MXZD	1	SNA	
..2	M0014	BN94-03320A	ASSY PCB MAIN;LN46C530F1MXZD	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.25	SNA	
...3		3701-001480	CONNECTOR-DSUB;15P,3R,FEMAIL,STAMPED PIN	1	SA	
...3		3711-007302	HEADER-BOARD TO BOARD;BOX,18P,2R,2mm,ANG	1	SA	
...3	L-PQS	BH68-00424A	LABEL-MICOM;ALL,PAPER100G,60,30,WHITE	1	SNA	
...3	L-PQS	BH68-00424B	LABEL-MICOM;ALL,PAPER100G,60,20,WHITE	1	SNA	
...3	ET01	BN40-00167A	TUNER;DNVS223VL161A,ISDB-T,191CH,38.9MHz	1	SA	
...3		BN97-04044A	ASSY SMD;LN46C530F1M	1	SNA	
....4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	18	SA	
....4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	9	SNA	
....4	D0254	0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	1	SA	
....4	T0139	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/-V,150W,SLP251	6	SNA	
....4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	8	SA	
....4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	9	SA	
....4	Q409	0505-002560	FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm,	1	SA	
....4	IC106	1001-001573	IC-VIDEO SWITCH;Sil9287BCNUTR,QFN,72P,10	1	SNA	
....4		1006-001474	IC-LINE DRIVER;DRV604PWP,HPSSOP,28P,9.8x	1	SA	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	
....4		1105-002058	IC-DDR2 SDRAM;K4T1G164QE-HCF8,DDR2,1Gbit	2	SA	
....4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	1	SA	
....4	T0087	1203-001815	IC-POSI.FIXED REG.;78M09,TO-252,3P,PLAST	1	SA	
....4	T0087	1203-002835	IC-POSI.FIXED REG.;KIA7805AF,DPAK,3P,6.6	1	SA	
....4	T0087	1203-002898	IC-POSI.FIXED REG.;G950T45R,T0-252,3P,6.	1	SA	
....4	T0087	1203-005134	IC-POSI.FIXED REG.;RT9167A-33PB,SOT-23-5	1	SNA	
....4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
....4		1203-006013	IC-DC/DC CONVERTER;AOZ1031AI,SO-8,8P,4.9	1	SA	
....4		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
....4		1204-003096	IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P	1	SA	
....4		1204-003117	IC-AUDIO PROCESSOR;MSP3455G,PMQFP,44P,13	1	SA	
....4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	2	SA	
....4		1205-003733	IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9	1	SA	
....4		1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	SA	
....4		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
....4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	23	SA	
....4	ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SNA	
....4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	32	SNA	
....4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	9	SNA	
....4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	40	SNA	
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	15	SNA	
....4	R102	2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	6	SA	
....4	HDR9	2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	7	SNA	
....4	AR43	2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR13	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	8	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	3	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	2	SNA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	16	SNA	
....4	HDR17	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	4	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	10	SNA	
....4	MR9	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	2	SA	
....4	ER13	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-000755	R-CHIP;330Kohm,1%,1/10W,TP,1608	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	R124	2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	3	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	3	SNA	
....4	AAR20	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	2	SNA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	2	SA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	6	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	12	SNA	
....4		2007-002906	R-CHIP;200Kohm,1%,1/10W,TP,1608	3	SA	
....4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	28	SNA	
....4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	8	SNA	
....4		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	2	SA	
....4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	12	SNA	
....4	MR11	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	19	SNA	
....4		2007-008134	R-CHIP;12.4Kohm,1%,1/16W,TP,1005	1	SC	
....4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	4	SA	
....4		2011-001519	R-NETWORK;33OHM,5%,1/16W,L,CHIP,4P,TP,1.	1	SA	
....4		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	7	SNA	
....4	AC1	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	4	SA	
....4	C4N08	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	5	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	3	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	8	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	V1233	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,TP,2012	6	SNA	
....4	MC9	2203-000627	C-CER,CHIP;.022nF,5%,50V,C0G,TP,1005	2	SNA	
....4	DC25	2203-000812	C-CER,CHIP;.033nF,5%,50V,C0G,1005	10	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	AC124	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	2	SNA	
....4	HDC5	2203-001072	C-CER,CHIP;0.056nF,5%,50V,NP0,1005	6	SA	
....4	C637	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	3	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	16	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	8	SNA	
....4	AD480	2203-005052	C-CER,CHIP;0.0033nF,0.25pF,50V,NP0,1005	2	SA	
....4	AC611	2203-005194	C-CER,CHIP;.22nF,10%,50V,X7R,TP,1608	1	SA	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	12	SNA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	2	SNA	
....4	AD480	2203-006104	C-CER,CHIP;1000nF,10%,50V,X7R,3225	2	SA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	2	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	3	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	105	SNA	
....4	JC10	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,1608	2	SA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	13	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	52	SC	
....4	HDC11	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	25	SNA	
....4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	2	SNA	
....4	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608	3	SNA	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	10	SA	
....4	VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	6	SA	
....4	T0052	2703-001239	INDUCTOR-SMD;3.3uH,10%,1608	1	SA	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	2	SA	
....4	T0052	2703-003149	INDUCTOR-SMD;2.2uH,20%,5050	1	SA	
....4	X202	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,20pF,50oh	1	SA	

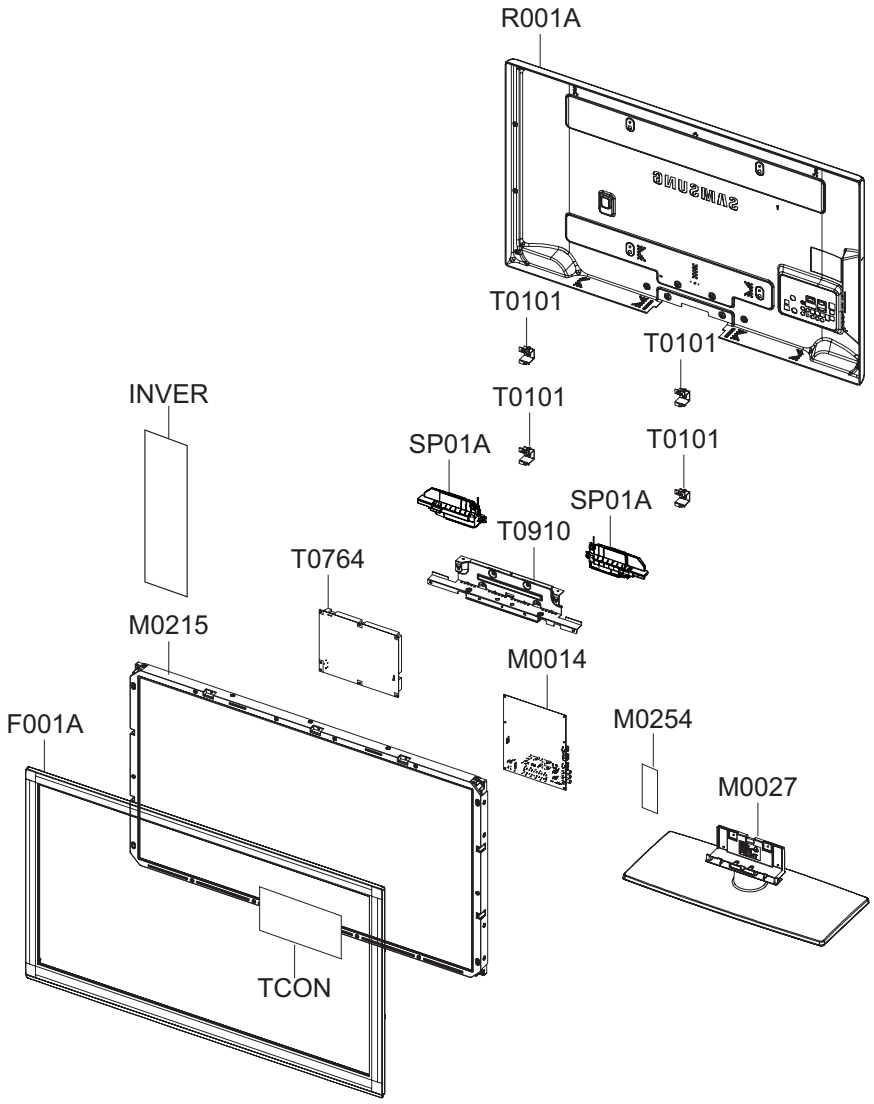
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	X202	2801-004300	CRYSTAL-SMD;18.432MHz,30ppm,28-ABX,13pF,	1	SA	
....4	T0568	3301-001082	BEAD-SMD;60ohm,3225,TP,43ohm/40MHz,83ohm	1	SNA	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608	7	SNA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	34	SA	
....4	T0313	3404-001207	SWITCH-TACT;12V,50mA,160gf,6.2X6.2,SPST	1	SA	
....4		3701-001591	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-S,AU	2	SNA	
....4		3709-001287	CONNECTOR-CARD SLOT;10P,1.5mm,SMD-A,AU10	1	SA	
....4	CON_US	3711-005616	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,SMD	1	SNA	
....4		BN41-01338A	PCB MAIN;LC550,FR-4,4,1.0,1.2,192*158,1	1	SNA	
....4		BN97-04065A	ASSY MICOM;T-TDT5IBRC,2009.11.20,IC1201,	1	SNA	
.....5		1107-001818	IC-NAND FLASH;KFG1G16U2C-DIB6,1024Mbit,6	1	SNA	
....4		0202-001767	SOLDER-CREAM;LST-5710,D20~38,Sn-57Bi-1Ag	2.437	SNA	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	2	SA	
....4		0403-001164	DIODE-ZENER;MMSZ5232B,5.32-5.88V,500MW,S	1	SA	
....4	D0254	0404-001271	DIODE-SCHOTTKY;SSA34,40V,3000mA,SMA,TP	1	SA	
....4	SD3	0407-000114	DIODE-SWITCHING;KDS184,80V,100mA,SOT-23,	3	SNA	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	2	SA	
....4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
....4		1203-006133	IC-POSI.ADJUST REG.;AP1117D-25-GZ-13-89,	1	SA	
....4	T0087	1203-006135	IC-POSI.FIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
....4	T0087	1203-006136	IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T	1	SA	
....4	IC012	1203-006138	IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2	1	SA	
....4	AR49	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	2	SNA	
....4		2011-001448	R-NETWORK;10ohm,5%,1/16W,L,4P,T,1010	4	SA	
....4	T0052	2703-003559	INDUCTOR-SMD;4.7uH,20%,8080	1	SNA	
....4		2704-000029	INDUCTOR-SMD-ARRAY;5.6uH,2300mA,2,0.08oh	2	SNA	
....4		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,Hi	1	SNA	
....4	AC510	3708-002797	CONNECTOR-FPC/FFC/PIC;51P,0.50mm,SMD,AU,	1	SA	
....4	HB01A	3711-007336	HEADER-BOARD TO CABLE;B0X,4P,1R,2.5mm,SM	1	SA	
....4		3701-001693	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-A	1	SA	
....4		0403-000489	DIODE-ZENER;MMSZ5228B,5%,500MW,SOD-123,T	1	SA	
....4	T0596	0904-002554	IC-USC;AU6256-JBF,QFN,28P,5x5mm,12MHz,TP	1	SA	
....4		1203-005538	IC-DC/DC CONVERTER;AOZ1021HAIL,SOP,8P,4.	1	SA	
....4		1203-006288	IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3	1	SA	
....4		2007-001317	R-CHIP;910ohm,5%,1/16W,TP,1005	1	SNA	
....4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-008593	R-CHIP;750ohm,1%,1/16W,TP,1005	1	SA	
....4	MC302	2203-000425	C-CER,CHIP;.018nF,5%,50V,C0G,TP,1005	2	SA	
....4	C711	2203-002982	C-CER,CHIP;6.8nF,10%,50V,X7R,1005	1	SA	
....4	AD480	2203-006144	C-CER,CHIP;4700nF,10%,16V,X7R,3216	1	SA	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	2	SA	
....4	L1103	2703-000403	INDUCTOR-SMD;22uH,10%,3225	1	SA	
....4	T0052	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005	4	SNA	
....4	X202	2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	
....4		BN97-04311A	ASSY MICOM-SUB;2010.01.19,1107-001580	1	SNA	
.....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8,S	1	SNA	
....4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70	1	SA	
....4		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	1	SA	
....4		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	1	SNA	
....4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,1608	1	SNA	
....4	R945	2007-000726	R-CHIP;300ohm,1%,1/10W,TP,1608	1	SA	
....4		2007-007222	R-CHIP;6.04Kohm,1%,1/10W,TP,1608	1	SA	
....4	DRP29	2011-001396	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	SA	
....4		2011-001427	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,2.0	1	SA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	1	SNA	
...3	T0066	BN62-00040A	HEAT SINK-ES;SAPPHIRE,T2.0,36*36*6.6,BLK	1	SNA	
...3	M0412	BN96-11826C	ASSY BRACKET P-PCB;LB450 40,SPTE T0.5 +	1	SNA	
....4		BN61-04928C	BRACKET-SUPPORT PCB;SPTE,T 0.5,SCREW-M4	1	SNA	
....4		BN61-05262B	HOLDER-BOSS PCB;52,LB550(EO),PBT+G/F(30%	1	SNA	
...3		3722-003037	JACK-USB;4P/1C W/L,AU/NI,BLK,ANGLE,A	1	SA	
...3	JA330	3722-003038	JACK-PHONE;7P/1C W/L,SN,BLK	2	SA	
...3	JA333	3722-003040	JACK-PIN;3P W/L,SN,BLK/YEL/WHT/RED,ANGLE	1	SA	
...3	JA333	3722-003052	JACK-PIN;5P+Shield W/L,NI/SN,GN/BL/RD/WH	2	SA	
...3	CN906	3707-001096	CONNECTOR-OPTICAL;STRAIGHT W/L,SPDIF	1	SA	
...3	T0066	BP62-00047A	HEAT SINK-ES;DLP,A6063S,T2.5,13,13,TAPE	1	SNA	
0.1		BN91-05004G	ASSY SHIELD;LN32C530F1MXZD	1	SNA	
..2	T0081	6001-002284	SCREW-MACHINE;BH,+,M4,L8,ZPC(WHT),SWRCH1	7	SA	
..2	M0081	6003-000337	SCREW-TAPTYPE;BH,+,S,M4,L10,ZPC(BLK),SWR	7	SA	
..2	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	7	SA	
..2	M2893	BN39-01274A	LEAD CONNECTOR;LC5F,UL 1007 #26,14P,80mm	1	SA	
..2	T0764	BN44-00339A	SMPS-LCD TV;P3237F1_ASM,P3237F1_ASM,AC/D	1	SA	
..2	M0254	BN61-06296A	HOLDER-SIDE AV;LC530,SO,PMMA+ABS HB,BK00	1	SNA	
..2	M0523	BN96-12973A	ASSY BRACKET P-WALL;32,37,40,LC650,SECC,	4	SNA	
...3		BN60-00188B	SPACER-FOAM;LCD,FELT,20,3.0,20,Center :	4	SNA	
...3	T0101	BN61-05996A	BRACKET-WALL;LC650 40,SECC,T1.2	4	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	4	SNA	
..2	T0910	BN96-13341A	ASSY BRACKET P-STAND LINK;LC530 32,SECC,	1	SNA	
...3		BN61-02429K	STUD-PEM;PNB,M3.8,D7,L14.9,ZPC(SIL),SUM2	4	SNA	
...3		BN61-05281A	HOLDER-CLAMP;LCD,NYLON 66,WHT	2	SNA	
...3	M0115	BN61-06024A	BRACKET-STAND LINK;LC550 32",SECC,T1.2	1	SNA	
..2	FL06	BN96-13171N	ASSY CABLE P-FFC;LE32C530F1WXXC,FFC,0.5m	1	SA	
..2		BN61-06441A	HOLDER-INLET;LC530,ABS,V0	1	SNA	
..2	M2893	BN39-01267A	LEAD CONNECTOR;LA32B450,UL 2651 AWG#26,1	1	SA	
..2		BN73-00273B	SILICON/RUBBER-GAPPAD;UE32C6500,SILICON+	1	SNA	
..2	M0081	6003-001439	SCREW-TAPTYPE;BH,+,S,M4,L8,ZPC(WHT),SWRC	1	SNA	
0.1	ACCE1	BN92-05748E	ASSY ACCESSORY;LN32C530F1MXZD	1	SNA	
..2	ACCE2	BN96-13169E	ASSY ACCESSORY-CABLE;LN32C530F1MXZD	1	SNA	
...3	T0268	3903-000438	CBF-POWER CORD;DT,BR,BP3/YES,IEC320 C13-	1	SA	
...3	T0120	4301-000121	BATTERY-MN;1.5V,R03,10.5x44.5m,HOLDER,7.	2	SNA	
...3	M9889	BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	SA	
...3	T0531	BN63-06389A	COVER-BOTTOM;32,LC530,HIPS,HB,BK0020	1	SA	
...3	REMO2	BN98-02497A	ASSY K/D-REMOCON;BN59-01020A	1	SA	
....4	M0014	BN94-03320V	ASSY PCB MAIN;BN59-01020A	1	SNA	
.....5		BN83-01764A	CKD-CASE-TOP;ABS+PMMA SF-0507TR BLACK	1	SNA	
.....5		BN83-01765A	CKD-CASE-BOTTOM;ABS H B H F- 0 6 8 0 K 2	1	SNA	
.....5		BN83-01766A	CKD-CASE-REAR SUB;ABS H B H F- 0 6 8 0 K	1	SNA	
.....5		BN83-01767A	CKD-KNOB NAVI;ABS H B H F- 0 6 8 0 K 2 1	1	SNA	
.....5		BN83-01768A	CKD-KNOB ENTER;ABS H B H F- 0 6 8 0 K 2	1	SNA	
.....5		BN83-01770A	CKD-RUBBER KEY PAD;SILICONE 49 KEY	1	SNA	
.....5		BN83-01771A	CKD-COMMON SPRING;NICO SUS 0.5	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
.....5		BN97-04044V	ASSY SMD;BN59-01020A	1	SNA	
......6		BN83-01774A	CKD-IC-MCU;GC49C501G3	1	SNA	
......6		BN83-01775A	CKD-PCB;TM1060,1050-RMXXX, REV:00	1	SNA	
......6		BN83-01777A	CKD-CHIP-CAPACITOR;0603/Y5V/+80~-20%/25V	1	SNA	
......6		BN83-01778A	CKD-TANTALUM-CAPACITOR;3216 SIZE / 6.3V	1	SNA	
......6		BN83-01779A	CKD-TACT-SWITCH;ST-1187	1	SNA	
......6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
.....5		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.3	SNA	
.....5	L0405	BN83-01257A	CKD-IR-LED;SI-5312H	1	SNA	
.....5		BN83-01772A	CKD-SPRING-REMOCON(+);NICO SUS 0.5	1	SNA	
.....5		BN83-01773A	CKD-SPRING-REMOCON(-);NICO SUS 0.5	1	SNA	
.....5	PE-RMC	AC69-30137A	BAG PE;LDPE,T0.08,80,270,WHT,-,-,-	1	SNA	
...3	T0952	BN59-00994A	MODULE;FM-Transmitter module,KSR-MX028,1	1	SA	
..2		BN96-13170D	ASSY ACCESSORY-MANUAL;LN32C530F1MXZD	1	SNA	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2,9.2	1	SNA	
...3	ACCESS	BN68-00844A	MANUAL FLYER-01, LEAFLET;LCD/CDT Leaflet	1	SNA	
...3		BN68-02639A	MANUAL USERS-IB;Comm,Samsung,Eng/BP,Braz	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	
0.1		BN92-05750P	ASSY LABEL;LN46C530F1MXZD	1	SNA	
..2	T0527	BP68-00052B	LABEL-00,RATING;CCTV,TETRON PAPER,T0.05,	1	SNA	
..2	T0527	AA68-03752B	LABEL-STICKER;WW,ALL,Art Paper(90g),25,3	1	SNA	
0.1		BN92-05779C	ASSY BOX;32,LC530,BRAZIL	1	SNA	
..2		AH68-00509A	LABEL BAR CODE;YP-NDP32SK,TETRON,0.15T,5	1	SNA	
..2		BN69-04610B	BOX-SET;32LC530,CB,A-01,SW2,YEL,W1008,D1	2	SNA	
0.1		BN92-05784A	ASSY P/MATERIAL;32,LC530	1	SNA	
..2	P-CASE	0203-001228	TAPE-OPP MASKING;373,T0.066,W72,L914000,	2.32	SNA	
..2	T0524	6902-000358	BAG PE;HDPE/NITRON,T0.015/T0.5,W900,L700	1	SNA	
..2	T0246	BN69-04351A	CUSHION-01,SET;32LC530,EPS,16.7g/l	1	SNA	
..2		6902-000621	BAG SHEET;HDPE/NITRON,T0.015/T1,W1000,L2	1	SNA	

5. Exploded View & Part List

5-1. LN37C530F1M Exploded View



5-2. LN37C530F1M Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
F001A	BN96-12784C	ASSY COVER P-FRONT;37,LC530,BRAZIL,ABS+P	1	SA	
INVER	BN81-04438A	A/S-INV T370HW03 VG;T370HW03 VG	1	SA	
M0014	BN94-03320Q	ASSY PCB MAIN;BN96-13022B	1	SNA	
M0027	BN96-12799A	ASSY STAND P-BASE;37,40,LC530,ABS+PMMA,H	1	SA	
M0254	BN61-06296A	HOLDER-SIDE AV;LC530,SO,PMMA+ABS HB,BK00	1	SNA	
PANEL	BN07-00828A	LCD-PANEL;T370HW03 VG,AU37H3G,8bit,37,16	1	SA	
R001A	BN96-12766F	ASSY COVER P-REAR;37,LC530,BRAZIL,PCM,T0	1	SA	
SP01A	BN98-02407B	ASSY K/D-SPEAKER;BN96-12871B,SEDA,Brazil	1	SA	
T0101	BN61-05996A	BRACKET-WALL;LC650 40,SECC,T1.2	4	SNA	
T0764	BN44-00339A	SMPS-LCD TV;P3237F1_ASM,P3237F1_ASM,AC/D	1	SA	
T0910	BN96-13342A	ASSY BRACKET P-STAND LINK;LC530 37/40/46	1	SNA	
TCON	BN81-04409A	A/S-T CON T370HW03_VG;T370HW03 VG	1	SA	

5-2-1. LN37C530F1M Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
		LN37C530F1MXZD	LCD TV,LN37C530F1M,22,THAILAND,N88A/			
0.1		BN68-02379B	LABEL-STICKER;Brazila,PET,T0.05,45,150	1	SNA	
0.1	R001A	BN90-02447F	ASSY COVER REAR;37,LC530,BRAZIL	1	SNA	
..2	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	13	SA	
..2	R001A	BN96-12766F	ASSY COVER P-REAR;37,LC530,BRAZIL,PCM,T0	1	SA	
...3	R001	BN63-06336E	COVER-REAR;37,LC530,SO,PCM,T0.5,BLK	1	SNA	
...3	T0071	BN64-01228F	INLAY-TERMINAL;LC450,ZD,PS SHEET,T0.5,BL	1	SNA	
...3		BN64-01270E	INLAY-AV;LC530,SO,PS SHEET,T0.5	1	SNA	
...3	T0139	BN65-00003A	CLAMPER BAG;42C7,LDPE,HB,BLK	1	SNA	
...3		BN60-00162X	SPACER-FOAM;FOAM,30000mm,Dark Gray,1T,15	2.03	SNA	
...3	AH358	BN61-06545A	HOLDER-REAR;LC650 37/40/46,PP,BLK	1	SNA	
..2	T0081	6001-001947	SCREW-MACHINE;BH,+,WSP,M6,L16,ZPC(WHT),S	4	SA	
0.1		BN90-02460C	ASSY COVER FRONT;37,LC530,BRAZIL	1	SNA	
..2	F001A	BN96-12784C	ASSY COVER P-FRONT;37,LC530,BRAZIL,ABS+P	1	SA	
...3	AB326	BN61-04661A	BRACKET-STOPPER;L650,SK-5,T0.4,Plating,H	5	SNA	
...3	CCM1	BN63-02183F	COVER-SHEET;Rhcm,PE Vinyl,T0.04,900mm,20	0.57	SNA	
...3	FB09A	BN98-02486A	ASSY K/D-BOARD P-TOUCH FUNCTION&IR;BN96-	1	SA	
....4	M0014	BN94-03320Q	ASSY PCB MAIN;BN96-13022B	1	SNA	
.....5	EC13	BN39-01281A	LEAD CONNECTOR;LC650,UL1061 #28,10 to 8p	1	SA	
.....5		BN83-01715A	CKD-TAPE;SJ09-01-042A,#350LSE-3	1	SNA	
.....5		BN97-04044N	ASSY SMD;BN96-13022A	1	SNA	
......6		0403-001339	DIODE-ZENER;UDZS6.2B,6.06-6.33V,200mW,SO	2	SA	
......6		0406-001253	DIODE-TVS;VESD05A1-02V,6.0/6.8/7.5V,SOD-	2	SNA	
......6	L0405	0601-001915	LED;SMD,RED,1.6x0.8x0.6mm,660nm,1.6x0.8x	1	SA	
......6	D0254	0609-001346	MODULE REMOCON;SMD-H(R),5.9mm,0.590g	1	SNA	
......6	IS01A	1209-001900	IC-SENSOR;TOUCHCORE3.2-ML24IP,MLF,24P,4x	1	SA	
......6	IS01A	1209-001929	IC-SENSOR;CT802FN,6P,2x2x0.65mm,PLASTIC,	1	SA	
......6		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
......6	KAR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	3	SNA	
......6	CER02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	2	SNA	
......6	AR30	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	2	SA	
......6	RR2	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	7	SA	
......6	FAR22	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	2	SNA	
......6	AHR40	2007-000088	R-CHIP;7.5Kohm,5%,1/10W,TP,1608	2	SNA	
......6	MROP1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
......6	R320	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	SA	
......6	AC14	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	2	SNA	
......6	EC9	2203-005834	C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216	1	SA	
......6	C234	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,TP,1608	1	SNA	
......6	AD480	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,1005	1	SA	
......6	XE1	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	SA	
......6	CN906	3711-007091	CONNECTOR-HEADER;BOX,8P,1R,1.25mm,SMD-S,	1	SA	
......6		BN41-01382A	PCB-TOUCH;LC5F,FR-4,2,1.6T,165.0 x 138.0	1	SNA	
......6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
...3		BN64-01245A	DECORATION-IN;46,LC530,PC,V2,RD0045(RED)	1	SNA	
...3		BN61-04731B	BOSS-TAPE;AMBER,ACRYL,T1.1,W12.0mm,WHITE	0.57	SNA	
...3	AD070	BN64-01241A	DECORATION-BOTTOM;37,LC530,PC,CLEAR,V2,T	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		BN60-00162W	SPACER-FOAM;FOAM,30000mm,Dark Gray,1T,10	2.56	SNA	
...3	F001	BN63-06395C	COVER-FRONT;37,LC530,BRAZIL,ABS+PMMA,HB,	1	SNA	
..2	SP01A	BN98-02407B	ASSY K/D-SPEAKER;BN96-12871B,SEDA,Brazil	1	SA	
...3		BN83-01520A	CKD-SPEAKER;LCD350 22inch Speaker label,	1	SNA	
...3		BN83-01615A	CKD-SPEAKER;speaker unit,96mmx30mm, 6ohm	2	SNA	
...3		BN83-01616A	CKD-SPEAKER;CASE_L_TOP,195.2 x 36.7 x 37	1	SNA	
...3		BN83-01617A	CKD-SPEAKER;CASE_L_Bottom,173.1 x 36.7 x	1	SNA	
...3		BN83-01618A	CKD-SPEAKER;CASE_R_top,195.2 x 36.7 x 37	1	SNA	
...3		BN83-01619A	CKD-SPEAKER;CASE_R_bottom,173.1 x 36.7 x	1	SNA	
...3		BN83-01621A	CKD-SPEAKER;Rubber Ring,4ea / set	4	SNA	
...3		BN83-01622A	CKD-SPEAKER;Screw,8ea / set	8	SNA	
...3		BN83-01623A	CKD-SPEAKER;Back Gasket,96 x 30 x 1t, E.	2	SNA	
...3		BN83-01624A	CKD-SPEAKER;Duct,59.3 x 9 x 1mm	2	SNA	
...3		BN83-01625A	CKD-SPEAKER;E.V.A_1,77mm x 13mmx 2t	4	SNA	
...3		BN83-01626A	CKD-SPEAKER;E.V.A_2,41mm x 9mmx 2t	8	SNA	
...3		BN83-01627A	CKD-SPEAKER;FELT_1,30mm x 7mmx 0.3t	4	SNA	
...3		BN83-01628A	CKD-SPEAKER;FELT_2,105mm x 13mmx 0.5t	2	SNA	
...3		BN83-01629A	CKD-SPEAKER;FELT_3,47mm x 25mmx 0.3t	2	SNA	
...3		BN83-01631A	CKD-SPEAKER;wire ass'y,4pin, L540 / R200	1	SNA	
...3		BN83-01804A	CKD-SPEAKER;Clamp,20 x16mm	1	SNA	
...3		BN83-01849A	CKD-SPEAKER;P.E_Foam_5,40 x30 x3t	2	SNA	
0.1	S001A	BN90-02466C	ASSY STAND;40,LC530,W/W,BLACK	1	SNA	
..2	SG03A	BN96-12795B	ASSY STAND P-GUIDE;37,40,46,LC530,W/W,PC	1	SA	
...3		BN96-12031E	ASSY ACCESSORY-SCREW;10 LCD-TV,6003-0010	1	SNA	
....4	T0524	6902-000341	BAG PE;LDPE,T0.05,L90,W70,TRP,,,PE MARK	1	SNA	
....4	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	8	SA	
...3	T0524	6902-001063	BAG PE;LDPE,T0.05,W180,L350,TRP,RECYCLE	1	SNA	
...3	T0920	BN61-06003A	GUIDE-STAND;37,40,46,LC650,PC+G/F,20%,V2	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	
..2	M0027	BN96-12799A	ASSY STAND P-BASE;37,40,LC530,ABS+PMMA,H	1	SA	
...3	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	SA	
...3	M0081	6003-001239	SCREW-TAPTYPE;FH,+,B,M4,L10,ZPC(WHT),SWR	6	SNA	
...3	T0010	BN61-02248A	HOLDER-SWIVEL RING;40R71,ACETAL NATUAL,T	1	SNA	
...3	T0010	BN61-02885A	HOLDER-SWIVEL RING;MURANO40,ACETAL NATUR	1	SNA	
...3		BN61-02886A	BRACKET-HINGE SWIVEL;BORDEAUX PLUS,40,SE	1	SNA	
...3		BN61-03715A	BRACKET-STAND BOTTOM;BRACKET-STAND-BOTTO	1	SNA	
...3	CCM1	BN63-02183E	COVER-SHEET;Rhcm,PE Vinyl,T0.04,750mm,20	0.5	SNA	
...3	M0019	BN73-00052C	RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19,	6	SNA	
...3		BN74-00031A	GREASE;kanto-kasei FL-955,grease,wht	0.4	SNA	
...3	GSN01	BN61-06027A	GUIDE-STAND NECK;40,LC530,PC+G/F,20%,V2,	1	SNA	
...3		BN63-05522A	COVER-STAND BASE;37,40,LB530,ABS+PMMA,HB	1	SNA	
0.1		BN91-04911A	ASSY LCD-AUO;BN07-00828A	1	SNA	
..2	PANEL	BN07-00828A	LCD-PANEL;T370HW03 VG,AU37H3G,8bit,37,16	1	SA	
...3	TCON	BN81-04409A	A/S-T CON T370HW03_VG;T370HW03 VG	1	SA	
...3	INVER	BN81-04438A	A/S-INV T370HW03 VG;T370HW03 VG	1	SA	
0.1		BN91-05004H	ASSY SHIELD;LN37C530F1MXZD	1	SNA	
..2	T0081	6001-002284	SCREW-MACHINE;BH,+,M4,L8,ZPC(WHT),SWRCH1	7	SA	
..2	M0081	6003-000337	SCREW-TAPTYPE;BH,+,S,M4,L10,ZPC(BLK),SWR	7	SA	
..2	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	5	SA	
..2	M2893	BN39-01272A	LEAD CONNECTOR;LB6T,UL2651#26,14P,100mm,	1	SA	
..2	T0764	BN44-00339A	SMPS-LCD TV;P3237F1_ASM,P3237F1_ASM,AC/D	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..2	M0254	BN61-06296A	HOLDER-SIDE AV;LC530,SO,PMMA+ABS HB,BK00	1	SNA	
..2	M0523	BN96-12973A	ASSY BRACKET P-WALL;32,37,40,LC650,SECC,	4	SNA	
...3		BN60-00188B	SPACER-FOAM;LCD,FELT,20,3.0,20,Center :	4	SNA	
...3	T0101	BN61-05996A	BRACKET-WALL;LC650 40,SECC,T1.2	4	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	4	SNA	
..2	M0230	BN96-13171B	ASSY CABLE P-FFC;LN37C530F1FXZA,FFC,0.5m	1	SA	
..2	T0910	BN96-13342A	ASSY BRACKET P-STAND LINK;LC530 37/40/46	1	SNA	
...3		BN61-02429K	STUD-PEM;PNB,M3.8,D7,L14.9,ZPC(SIL),SUM2	2	SNA	
...3		BN61-05281A	HOLDER-CLAMP;LCD,NYLON 66,WHT	3	SNA	
...3	M0115	BN61-05998A	BRACKET-STAND LINK;LC650 46,SECC,T1.6	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	
..2	M2893	BN39-01267K	LEAD CONNECTOR;LC5F,Flat Connector Ass'y	1	SA	
..2		BN61-06441A	HOLDER-INLET;LC530,ABS,V0	1	SNA	
..2		BN73-00273B	SILICON/RUBBER-GAPPAD;UE32C6500,SILICON+	1	SNA	
..2	M0081	6003-001439	SCREW-TAPTYPE;BH,+,S,M4,L8,ZPC(WHT),SWRC	1	SNA	
0.1	ACCE1	BN92-05748F	ASSY ACCESSORY;LN37C530F1MXZD	1	SNA	
..2	ACCE2	BN96-13169F	ASSY ACCESSORY-CABLE;LN37C530F1MXZD	1	SNA	
...3	T0268	3903-000438	CBF-POWER CORD;DT,BR,BP3/YES,IEC320 C13-	1	SA	
...3	T0120	4301-000121	BATTERY-MN;1.5V,R03,10.5x44.5m,HOLDER,7.	2	SNA	
...3	M9889	BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	SA	
...3	T0531	BN63-06339A	COVER-BOTTOM;37,40,46,LC650,HIPS,HB,BK00	1	SA	
...3	REMO2	BN98-02497A	ASSY K/D-REMOCON;BN59-01020A	1	SA	
....4	M0014	BN94-03320V	ASSY PCB MAIN;BN59-01020A	1	SNA	
.....5		BN83-01764A	CKD-CASE-TOP;ABS+PMMA SF-0507TR BLACK	1	SNA	
.....5		BN83-01765A	CKD-CASE-BOTTOM;ABS H B H F- 0 6 8 0 K 2	1	SNA	
.....5		BN83-01766A	CKD-CASE-REAR SUB;ABS H B H F- 0 6 8 0 K	1	SNA	
.....5		BN83-01767A	CKD-KNOB NAVI;ABS H B H F- 0 6 8 0 K 2 1	1	SNA	
.....5		BN83-01768A	CKD-KNOB ENTER;ABS H B H F- 0 6 8 0 K 2	1	SNA	
.....5		BN83-01770A	CKD-RUBBER KEY PAD;SILICONE 49 KEY	1	SNA	
.....5		BN83-01771A	CKD-COMMON SPRING;NICO SUS 0.5	1	SNA	
.....5		BN97-04044V	ASSY SMD;BN59-01020A	1	SNA	
......6		BN83-01774A	CKD-IC-MCU;GC49C501G3	1	SNA	
......6		BN83-01775A	CKD-PCB;TM1060,1050-RMXXX, REV:00	1	SNA	
......6		BN83-01777A	CKD-CHIP-CAPACITOR;0603/Y5V/+80~-20%/25V	1	SNA	
......6		BN83-01778A	CKD-TANTALUM-CAPACITOR;3216 SIZE / 6.3V	1	SNA	
......6		BN83-01779A	CKD-TACT-SWITCH;ST-1187	1	SNA	
......6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
.....5		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.3	SNA	
.....5	L0405	BN83-01257A	CKD-IR-LED;SI-5312H	1	SNA	
.....5		BN83-01772A	CKD-SPRING-REMOCON(+);NICO SUS 0.5	1	SNA	
.....5		BN83-01773A	CKD-SPRING-REMOCON(-);NICO SUS 0.5	1	SNA	
.....5	PE-RMC	AC69-30137A	BAG PE;LDPE,T0.08,80,270,WHT,-,-,-	1	SNA	
...3	T0952	BN59-00994A	MODULE;FM-Transmitter module,KSR-MX028,1	1	SA	
..2		BN96-13170D	ASSY ACCESSORY-MANUAL;LN32C530F1MXZD	1	SNA	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2,9.2	1	SNA	
...3	ACCESS	BN68-00844A	MANUAL FLYER-01, LEAFLET;LCD/CDT Leaflet	1	SNA	
...3		BN68-02639A	MANUAL USERS-IB;Comm,Samsung,Eng/BP,Braz	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	
0.1		BN92-05750P	ASSY LABEL;LN46C530F1MXZD	1	SNA	
..2	T0527	BP68-00052B	LABEL-00,RATING;CCTV,TETRON PAPER,T0.05,	1	SNA	
..2	T0527	AA68-03752B	LABEL-STICKER;WW,ALL,Art Paper(90g),25,3	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
0.1		BN92-05780C	ASSY BOX;37,LC530,BRAZIL	1	SNA	
..2		AH68-00509A	LABEL BAR CODE;YP-NDP32SK,TETRON,0.15T,5	1	SNA	
..2		BN69-04613D	BOX-SET;37LC530,CB,A-01,DW3,YEL,W1135,D1	2	SNA	
0.1		BN92-05785A	ASSY P/MATERIAL;37,LC530	1	SNA	
..2	P-CASE	0203-001228	TAPE-OPP MASKING;373,T0.066,W72,L914000,	2.58	SNA	
..2	T0524	6902-000113	BAG PE;HDPE/NITRON/HDPE,T0.02/T0.5/T0.02	1	SNA	
..2	T0246	BN69-04352A	CUSHION-01,SET;LC530 37,EPS	1	SNA	
..2		BN69-05034A	PAD CUSHION;37LC***,EPS,T43,W230,D435	1	SNA	
..2		6902-000621	BAG SHEET;HDPE/NITRON,T0.015/T1,W1000,L2	1	SNA	
0.1	M0017	BN91-05467F	ASSY CHASSIS;MODEL	1	SNA	
..2	M0014	BN94-03476U	ASSY PCB MAIN;NEW MODEL	1	SA	
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.25	SNA	
...3		3701-001480	CONNECTOR-DSUB;15P,3R,FEMAIL,STAMPED PIN	1	SA	
...3	CN906	3707-001096	CONNECTOR-OPTICAL;STRAIGHT W/L,SPDIF	1	SA	
...3		3711-007302	HEADER-BOARD TO BOARD;BOX,18P,2R,2mm,ANG	1	SA	
...3		3722-003037	JACK-USB;4P/1C W/L,AU/NI,BLK,ANGLE,A	1	SA	
...3	JA330	3722-003038	JACK-PHONE;7P/1C W/L,SN,BLK	2	SA	
...3	JA333	3722-003040	JACK-PIN;3P W/L,SN,BLK/YEL/WHT/RED,ANGLE	1	SA	
...3	JA333	3722-003052	JACK-PIN;5P+Shield W/L,NI/SN,GN/BL/RD/WH	2	SA	
...3	L-PQS	BH68-00424A	LABEL-MICOM;ALL,PAPER100G,60,30,WHITE	1	SNA	
...3	L-PQS	BH68-00424B	LABEL-MICOM;ALL,PAPER100G,60,20,WHITE	1	SNA	
...3	ET01	BN40-00167A	TUNER;DNVS223VL161A,ISDB-T,191CH,38.9MHz	1	SA	
...3	T0066	BN62-00040A	HEAT SINK-ES;SAPPHIRE,T2.0,36*36*6.6,BLK	1	SNA	
...3	M0412	BN96-11826C	ASSY BRACKET P-PCB;LB450 40,SPTE T0.5 +	1	SNA	
....4		BN61-04928C	BRACKET-SUPPORT PCB;SPTE,T 0.5,SCREW-M4	1	SNA	
....4		BN61-05262B	HOLDER-BOSS PCB;52,LB550(EO),PBT+G/F(30%	1	SNA	
...3		BN97-04044A	ASSY SMD;LN46C530F1M	1	SNA	
....4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	18	SA	
....4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	9	SNA	
....4	D0254	0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	1	SA	
....4	T0139	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/-V,150W,SLP251	6	SNA	
....4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	8	SA	
....4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	9	SA	
....4	Q409	0505-002560	FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm,	1	SA	
....4	IC106	1001-001573	IC-VIDEO SWITCH;Sil9287BCNUTR,QFN,72P,10	1	SNA	
....4		1006-001474	IC-LINE DRIVER;DRV604PWP,HPSSOP,28P,9.8x	1	SA	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	
....4		1105-002058	IC-DDR2 SDRAM;K4T1G164QE-HCF8,DDR2,1Gbit	2	SA	
....4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	1	SA	
....4	T0087	1203-001815	IC-POSI.FIXED REG.;78M09,TO-252,3P,PLAST	1	SA	
....4	T0087	1203-002835	IC-POSI.FIXED REG.;KIA7805AF,DPAK,3P,6.6	1	SA	
....4	T0087	1203-002898	IC-POSI.FIXED REG.;G950T45R,T0-252,3P,6.	1	SA	
....4	T0087	1203-005134	IC-POSI.FIXED REG.;RT9167A-33PB,SOT-23-5	1	SNA	
....4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
....4		1203-006013	IC-DC/DC CONVERTER;AOZ1031AI,SO-8,8P,4.9	1	SA	
....4		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
....4		1204-003096	IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P	1	SA	
....4		1204-003117	IC-AUDIO PROCESSOR;MSP3455G,PMQFP,44P,13	1	SA	
....4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	2	SA	
....4		1205-003733	IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9	1	SA	
....4		1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	SA	

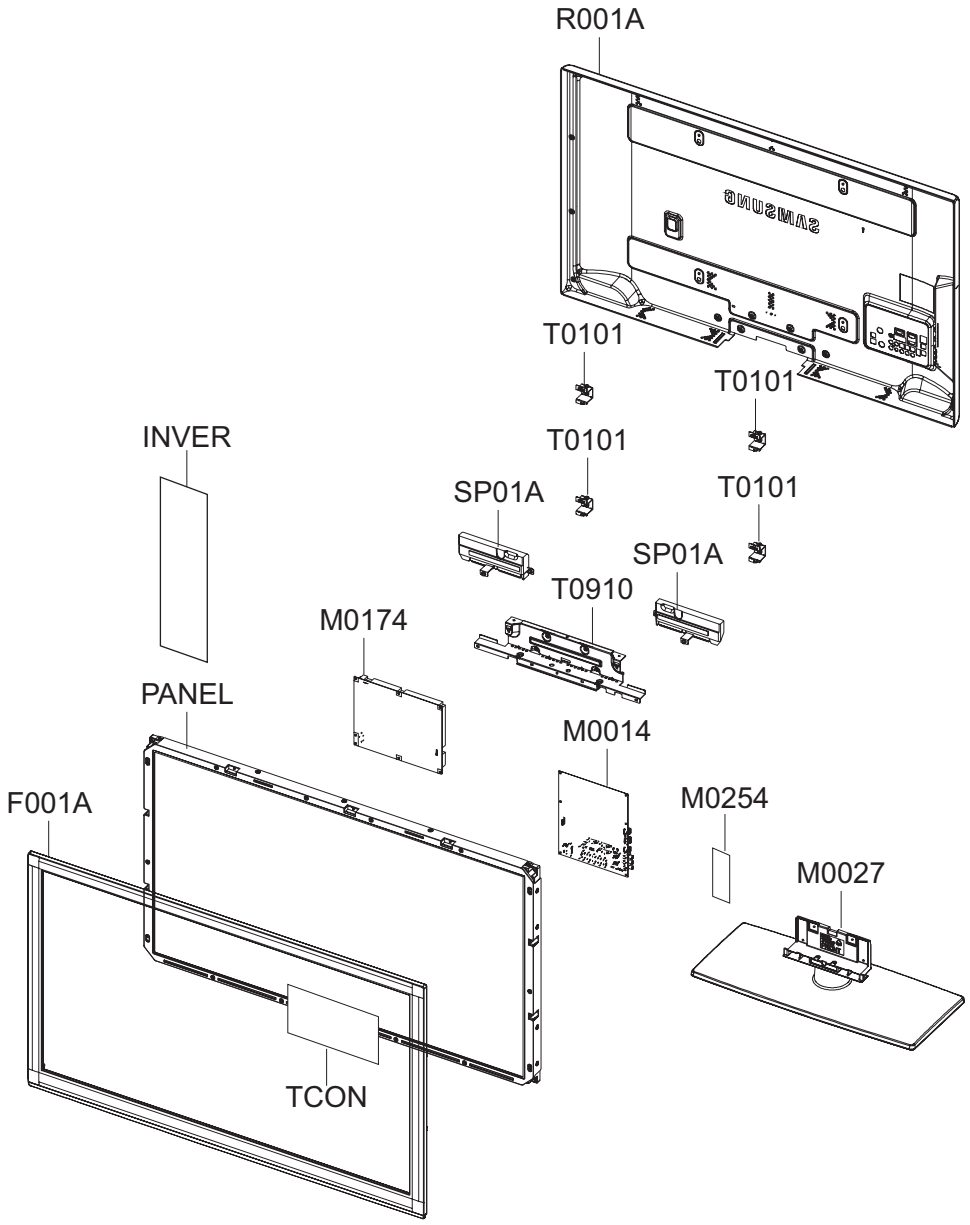
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
....4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	23	SA	
....4	ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SNA	
....4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	32	SNA	
....4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	9	SNA	
....4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	40	SNA	
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	15	SNA	
....4	R102	2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	6	SA	
....4	HDR9	2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	7	SNA	
....4	AR43	2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR13	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	8	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	3	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	2	SNA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	16	SNA	
....4	HDR17	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	4	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	10	SNA	
....4	MR9	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	2	SA	
....4	ER13	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-000755	R-CHIP;330Kohm,1%,1/10W,TP,1608	1	SA	
....4	R124	2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	3	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	3	SNA	
....4	AAR20	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	2	SNA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	2	SA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	6	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	12	SNA	
....4		2007-002906	R-CHIP;200Kohm,1%,1/10W,TP,1608	3	SA	
....4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	28	SNA	
....4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	8	SNA	
....4		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	2	SA	
....4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	12	SNA	
....4	MR11	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	19	SNA	
....4		2007-008134	R-CHIP;12.4Kohm,1%,1/16W,TP,1005	1	SC	
....4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	4	SA	
....4		2011-001519	R-NETWORK;33OHM,5%,1/16W,L,CHIP,4P,TP,1.	1	SA	
....4		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	7	SNA	
....4	AC1	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	4	SA	
....4	C4N08	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	5	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	3	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	8	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	V1233	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,TP,2012	6	SNA	
....4	MC9	2203-000627	C-CER,CHIP;.022nF,5%,50V,C0G,TP,1005	2	SNA	
....4	DC25	2203-000812	C-CER,CHIP;.033nF,5%,50V,C0G,1005	10	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	AC124	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	2	SNA	
....4	HDC5	2203-001072	C-CER,CHIP;0.056nF,5%,50V,NP0,1005	6	SA	
....4	C637	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	3	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	16	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	8	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	AD480	2203-005052	C-CER,CHIP;0.0033nF,0.25pF,50V,NP0,1005	2	SA	
....4	AC611	2203-005194	C-CER,CHIP;.22nF,10%,50V,X7R,TP,1608	1	SA	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	12	SNA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	2	SNA	
....4	AD480	2203-006104	C-CER,CHIP;1000nF,10%,50V,X7R,3225	2	SA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	2	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	3	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	105	SNA	
....4	JC10	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,1608	2	SA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	13	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	52	SC	
....4	HDC11	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	25	SNA	
....4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	2	SNA	
....4	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608	3	SNA	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	10	SA	
....4	VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	6	SA	
....4	T0052	2703-001239	INDUCTOR-SMD;3.3uH,10%,1608	1	SA	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	2	SA	
....4	T0052	2703-003149	INDUCTOR-SMD;2.2uH,20%,5050	1	SA	
....4	X202	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,20pF,50oh	1	SA	
....4	X202	2801-004300	CRYSTAL-SMD;18.432MHz,30ppm,28-ABX,13pF,	1	SA	
....4	T0568	3301-001082	BEAD-SMD;60ohm,3225,TP,43ohm/40MHz,83ohm	1	SNA	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608	7	SNA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	34	SA	
....4	T0313	3404-001207	SWITCH-TACT;12V,50mA,160gf,6.2X6.2,SPST	1	SA	
....4		3701-001591	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-S,AU	2	SNA	
....4		3709-001287	CONNECTOR-CARD SLOT;10P,1.5mm,SMD-A,AU10	1	SA	
....4	CON_US	3711-005616	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,SMD	1	SNA	
....4		BN41-01338A	PCB MAIN;LC550,FR-4,4,1.0,1.2,192*158,1	1	SNA	
....4		BN97-04065A	ASSY MICOM;T-TDT5IBRC,2009.11.20,IC1201,	1	SNA	
.....5		1107-001818	IC-NAND FLASH;KFG1G16U2C-DIB6,1024Mbit,6	1	SNA	
....4		0202-001767	SOLDER-CREAM;LST-5710,D20~38,Sn-57Bi-1Ag	2.437	SNA	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	2	SA	
....4		0403-001164	DIODE-ZENER;MMSZ5232B,5.32-5.88V,500MW,S	1	SA	
....4	D0254	0404-001271	DIODE-SCHOTTKY;SSA34,40V,3000mA,SMA,TP	1	SA	
....4	SD3	0407-000114	DIODE-SWITCHING;KDS184,80V,100mA,SOT-23,	3	SNA	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	2	SA	
....4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
....4		1203-006133	IC-POSI.ADJUST REG.;AP1117D-25-GZ-13-89,	1	SA	
....4	T0087	1203-006135	IC-POSI.FIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
....4	T0087	1203-006136	IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T	1	SA	
....4	IC012	1203-006138	IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2	1	SA	
....4	AR49	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	2	SNA	
....4		2011-001448	R-NETWORK;10ohm,5%,1/16W,L,4P,T,1010	4	SA	
....4	T0052	2703-003559	INDUCTOR-SMD;4.7uH,20%,8080	1	SNA	
....4		2704-000029	INDUCTOR-SMD-ARRAY;5.6uH,2300mA,2,0.08oh	2	SNA	
....4		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,Hi	1	SNA	
....4	AC510	3708-002797	CONNECTOR-FPC/FFC/PIC;51P,0.50mm,SMD,AU,	1	SA	
....4	HB01A	3711-007336	HEADER-BOARD TO CABLE;B0X,4P,1R,2.5mm,SM	1	SA	
....4		3701-001693	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-A	1	SA	
....4		0403-000489	DIODE-ZENER;MMSZ5228B,5%,500MW,SOD-123,T	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	T0596	0904-002554	IC-USC;AU6256-JBF,QFN,28P,5x5mm,12MHz,TP	1	SA	
....4		1203-005538	IC-DC/DC CONVERTER;AOZ1021HAIL,SOP,8P,4.	1	SA	
....4		1203-006288	IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3	1	SA	
....4		2007-001317	R-CHIP;910ohm,5%,1/16W,TP,1005	1	SNA	
....4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-008593	R-CHIP;750ohm,1%,1/16W,TP,1005	1	SA	
....4	MC302	2203-000425	C-CER,CHIP;.018nF,5%,50V,C0G,TP,1005	2	SA	
....4	C711	2203-002982	C-CER,CHIP;6.8nF,10%,50V,X7R,1005	1	SA	
....4	AD480	2203-006144	C-CER,CHIP;4700nF,10%,16V,X7R,3216	1	SA	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	2	SA	
....4	L1103	2703-000403	INDUCTOR-SMD;22uH,10%,3225	1	SA	
....4	T0052	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005	4	SNA	
....4	X202	2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	
....4		BN97-04311A	ASSY MICOM-SUB;2010.01.19,1107-001580	1	SNA	
.....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8,S	1	SNA	
....4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70	1	SA	
....4		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	1	SA	
....4		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	1	SNA	
....4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	1	SNA	
....4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,1608	1	SNA	
....4	R945	2007-000726	R-CHIP;300ohm,1%,1/10W,TP,1608	1	SA	
....4		2007-007222	R-CHIP;6.04Kohm,1%,1/10W,TP,1608	1	SA	
....4	DRP29	2011-001396	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	SA	
....4		2011-001427	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,2.0	1	SA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	1	SNA	
...3	T0066	BP62-00047A	HEAT SINK-ES;DLP,A6063S,T2.5,13,13,TAPE	1	SNA	

5. Exploded View & Part List

5-1. LN40C530F1M Exploded View



5-2. LN40C530F1M Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
F001A	BN96-12785C	ASSY COVER P-FRONT;40,LC530,BRAZIL,ABS+P	1	SA	
INVER	BN81-04169A	A/S-BB-L LTF400HM01;LTF400HM01	1	SA	
M0014	BN94-03320Q	ASSY PCB MAIN;BN96-13022B	1	SNA	
M0027	BN96-12799A	ASSY STAND P-BASE;37,40,LC530,ABS+PMMA,H	1	SA	
M0174	BN44-00340A	IP BOARD-TV;PSIV231510A,I40F1_ASM,14mA,1	1	SA	
M0254	BN61-06296A	HOLDER-SIDE AV;LC530,SO,PMMA+ABS HB,BK00	1	SNA	
PANEL	BN07-00800A	LCD-PANEL;LTF400HM01,SSDZMS,8bit,40,1.67	1	SA	
R001A	BN96-12767F	ASSY COVER P-REAR;40,LC530,BRAZIL,PCM,T0	1	SA	
SP01A	BN98-02408A	ASSY K/D-SPEAKER;BN96-12837A,SEDA,Brazil	1	SA	
T0101	BN61-05996A	BRACKET-WALL;LC650 40,SECC,T1.2	4	SNA	
T0910	BN96-13342A	ASSY BRACKET P-STAND LINK;LC530 37/40/46	1	SNA	
T0910	BN96-13342A	ASSY BRACKET P-STAND LINK;LC530 37/40/46	1	SNA	
TCON	BN81-04153A	A/S-T CON LTF400HM01;LTF400HM01	1	SA	

5-2-1. LN40C530F1M Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
		LN40C530F1MXZD	LCD TV,LN40C530F1M,22,THAILAND,N88A/			
0.1		BN68-02379B	LABEL-STICKER;Brazila,PET,T0.05,45,150	1	SNA	
0.1	R001A	BN90-02448F	ASSY COVER REAR;40,LC530,BRAZIL	1	SNA	
..2	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	11	SA	
..2	R001A	BN96-12767F	ASSY COVER P-REAR;40,LC530,BRAZIL,PCM,T0	1	SA	
...3	R001	BN63-06393E	COVER-REAR;40,LC530,SO,PCM,T0.5,BLK	1	SNA	
...3	T0071	BN64-01228F	INLAY-TERMINAL;LC450,ZD,PS SHEET,T0.5,BL	1	SNA	
...3		BN64-01270E	INLAY-AV;LC530,SO,PS SHEET,T0.5	1	SNA	
...3	T0139	BN65-00003A	CLAMPER BAG;42C7,LDPE,HB,BLK	1	SNA	
...3		BN60-00162X	SPACER-FOAM;FOAM,30000mm,Dark Gray,1T,15	2.75	SNA	
...3	AH358	BN61-06545A	HOLDER-REAR;LC650 37/40/46,PP,BLK	1	SNA	
0.1		BN90-02461C	ASSY COVER FRONT;40,LC530,BRAZIL	1	SNA	
..2	F001A	BN96-12785C	ASSY COVER P-FRONT;40,LC530,BRAZIL,ABS+P	1	SA	
...3	AB326	BN61-04661A	BRACKET-STOPPER;L650,SK-5,T0.4,Plating,H	5	SNA	
...3	CCM1	BN63-02183G	COVER-SHEET;Rhcm,PE Vinyl,T0.05,1100mm,2	0.61	SNA	
...3		BN60-00162V	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.5T,	2.77	SNA	
...3	FB09A	BN98-02486A	ASSY K/D-BOARD P-TOUCH FUNCTION&IR;BN96-	1	SA	
....4	M0014	BN94-03320Q	ASSY PCB MAIN;BN96-13022B	1	SNA	
.....5	EC13	BN39-01281A	LEAD CONNECTOR;LC650,UL1061 #28,10 to 8p	1	SA	
.....5		BN83-01715A	CKD-TAPE;SJ09-01-042A,#350LSE-3	1	SNA	
.....5		BN97-04044N	ASSY SMD;BN96-13022A	1	SNA	
......6		0403-001339	DIODE-ZENER;UDZS6.2B,6.06-6.33V,200mW,SO	2	SA	
......6		0406-001253	DIODE-TVS;VESD05A1-02V,6.0/6.8/7.5V,SOD-	2	SNA	
......6	L0405	0601-001915	LED;SMD,RED,1.6x0.8x0.6mm,660nm,1.6x0.8x	1	SA	
......6	D0254	0609-001346	MODULE REMOCON;SMD-H(R),5.9mm,0.590g	1	SNA	
......6	IS01A	1209-001900	IC-SENSOR;TOUCHCORE3.2-ML24IP,MLF,24P,4x	1	SA	
......6	IS01A	1209-001929	IC-SENSOR;CT802FN,6P,2x2x0.65mm,PLASTIC,	1	SA	
......6		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
......6	KAR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	3	SNA	
......6	CER02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	2	SNA	
......6	AR30	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	2	SA	
......6	RR2	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	7	SA	
......6	FAR22	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	2	SNA	
......6	AHR40	2007-000088	R-CHIP;7.5Kohm,5%,1/10W,TP,1608	2	SNA	
......6	MROP1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
......6	R320	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	SA	
......6	AC14	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	2	SNA	
......6	EC9	2203-005834	C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216	1	SA	
......6	C234	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,TP,1608	1	SNA	
......6	AD480	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,1005	1	SA	
......6	XE1	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	SA	
......6	CN906	3711-007091	CONNECTOR-HEADER;BOX,8P,1R,1.25mm,SMD-S,	1	SA	
......6		BN41-01382A	PCB-TOUCH;LC5F,FR-4,2,1.6T,165.0 x 138.0	1	SNA	
......6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
...3		BN64-01245A	DECORATION-IN;46,LC530,PC,V2,RD0045(RED)	1	SNA	
...3		BN61-04731B	BOSS-TAPE;AMBER,ACRYL,T1.1,W12.0mm,WHITE	0.64	SNA	
...3	AD070	BN64-01242A	DECORATION-BOTTOM;40,LC530,PC,CLEAR,V2,T	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3	F001	BN63-06396C	COVER-FRONT;40,LC530,BRAZIL,ABS+PMMA,HB,	1	SNA	
..2	SP01A	BN98-02408A	ASSY K/D-SPEAKER;BN96-12837A,SEDA,Brazil	1	SA	
...3		BN83-01520A	CKD-SPEAKER;LCD350 22inch Speaker label,	1	SNA	
...3		BN83-01615A	CKD-SPEAKER;speaker unit,96mmx30mm, 6ohm	2	SNA	
...3		BN83-01621A	CKD-SPEAKER;Rubber Ring,4ea / set	2	SNA	
...3		BN83-01622A	CKD-SPEAKER;Screw,8ea / set	8	SNA	
...3		BN83-01636A	CKD-SPEAKER;Wire ASS'Y,4pin, L570 / R250	1	SNA	
...3		BN83-01639A	CKD-SPEAKER;FELT_3,80mm x 13mm x 0.5t	2	SNA	
...3		BN83-01648A	CKD-SPEAKER;Duct,104mm x 12.6mm x 1t	2	SNA	
...3		BN83-01649A	CKD-SPEAKER;E.V.A_1,180mm x 15mm x 2t	6	SNA	
...3		BN83-01651A	CKD-SPEAKER;FELT_2,50mm x 25mm x 0.3t	4	SNA	
...3		BN83-01623A	CKD-SPEAKER;Back Gasket,96 x 30 x 1t, E.	2	SNA	
...3		BN83-01627A	CKD-SPEAKER;FELT_1,30mm x 7mmx 0.3t	4	SNA	
...3		BN83-01629A	CKD-SPEAKER;FELT_3,47mm x 25mmx 0.3t	2	SNA	
...3		BN83-01652A	CKD-SPEAKER;CASE_L_TOP,248 x 47.6 x 45mm	1	SNA	
...3		BN83-01653A	CKD-SPEAKER;CASE_L_Bottom,211.8 x 36.8 x	1	SNA	
...3		BN83-01654A	CKD-SPEAKER;CASE_R_TOP,248 x 47.6 x 45mm	1	SNA	
...3		BN83-01655A	CKD-SPEAKER;CASE_R_Bottom,211.8 x 36.8 x	1	SNA	
...3		BN83-01804A	CKD-SPEAKER;Clamp,20 x16mm	2	SNA	
...3		BN83-01805A	CKD-SPEAKER;P.E_Foam_B4,80 x 24 x 1t	2	SNA	
...3		BN83-01806A	CKD-SPEAKER;P.E_Foam_B5,230 x 10 x 3t	2	SNA	
0.1	S001A	BN90-02466C	ASSY STAND;40,LC530,W/W,BLACK	1	SNA	
..2	SG03A	BN96-12795B	ASSY STAND P-GUIDE;37,40,46,LC530,W/W,PC	1	SA	
...3		BN96-12031E	ASSY ACCESSORY-SCREW;10 LCD-TV,6003-0010	1	SNA	
....4	T0524	6902-000341	BAG PE;LDPE,T0.05,L90,W70,TRP,,,PE MARK	1	SNA	
....4	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	8	SA	
...3	T0524	6902-001063	BAG PE;LDPE,T0.05,W180,L350,TRP,RECYCLE	1	SNA	
...3	T0920	BN61-06003A	GUIDE-STAND;37,40,46,LC650,PC+G/F,20%,V2	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	
..2	M0027	BN96-12799A	ASSY STAND P-BASE;37,40,LC530,ABS+PMMA,H	1	SA	
...3	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	SA	
...3	M0081	6003-001239	SCREW-TAPTYPE;FH,+,B,M4,L10,ZPC(WHT),SWR	6	SNA	
...3	T0010	BN61-02248A	HOLDER-SWIVEL RING;40R71,ACETAL NATUAL,T	1	SNA	
...3	T0010	BN61-02885A	HOLDER-SWIVEL RING;MURANO40,ACETAL NATUR	1	SNA	
...3		BN61-02886A	BRACKET-HINGE SWIVEL;BORDEAUX PLUS,40,SE	1	SNA	
...3		BN61-03715A	BRACKET-STAND BOTTOM;BRACKET-STAND-BOTTO	1	SNA	
...3	CCM1	BN63-02183E	COVER-SHEET;Rhcm,PE Vinyl,T0.04,750mm,20	0.5	SNA	
...3	M0019	BN73-00052C	RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19,	6	SNA	
...3		BN74-00031A	GREASE;kanto-kasei FL-955,grease,wht	0.4	SNA	
...3	GSN01	BN61-06027A	GUIDE-STAND NECK;40,LC530,PC+G/F,20%,V2,	1	SNA	
...3		BN63-05522A	COVER-STAND BASE;37,40,LB530,ABS+PMMA,HB	1	SNA	
0.1		BN91-04889A	ASSY LCD-AMLCD;BN07-00800A	1	SNA	
..2	PANEL	BN07-00800A	LCD-PANEL;LTF400HM01,SSDZMS,8bit,40,1.67	1	SA	
...3	TCON	BN81-04153A	A/S-T CON LTF400HM01;LTF400HM01	1	SA	
...3	INVER	BN81-04169A	A/S-BB-L LTF400HM01;LTF400HM01	1	SA	
0.1		BN91-05004J	ASSY SHIELD;LN40C530F1MXZD	1	SNA	
..2	T0081	6001-002284	SCREW-MACHINE;BH,+,M4,L8,ZPC(WHT),SWRCH1	9	SA	
..2	M0081	6003-000337	SCREW-TAPTYPE;BH,+,S,M4,L10,ZPC(BLK),SWR	7	SA	
..2	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	6	SA	
..2	M2893	BN39-01267E	LEAD CONNECTOR;LB6T,FLAT CONNECTOR ASS'Y	1	SA	
..2	M0174	BN44-00340A	IP BOARD-TV;PSIV231510A,I40F1_ASM,14mA,1	1	SA	
..2	M0254	BN61-06296A	HOLDER-SIDE AV;LC530,SO,PMMA+ABS HB,BK00	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..2	M0523	BN96-12973A	ASSY BRACKET P-WALL;32,37,40,LC650,SECC,	4	SNA	
...3		BN60-00188B	SPACER-FOAM;LCD,FELT,20,3.0,20,Center :	4	SNA	
...3	T0101	BN61-05996A	BRACKET-WALL;LC650 40,SECC,T1.2	4	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	4	SNA	
..2	M0230	BN96-13171C	ASSY CABLE P-FFC;LN40C530F1FXZA,FFC,0.5m	1	SA	
..2	T0910	BN96-13342A	ASSY BRACKET P-STAND LINK;LC530 37/40/46	1	SNA	
...3		BN61-02429K	STUD-PEM;PNB,M3.8,D7,L14.9,ZPC(SIL),SUM2	2	SNA	
...3		BN61-05281A	HOLDER-CLAMP;LCD,NYLON 66,WHT	3	SNA	
...3	M0115	BN61-05998A	BRACKET-STAND LINK;LC650 46,SECC,T1.6	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	
..2	M2893	BN39-01024E	LEAD CONNECTOR;LC5F,UL3239#24,2P,175mm,1	1	SA	
..2		BN61-06441A	HOLDER-INLET;LC530,ABS,V0	1	SNA	
..2	M2893	BN39-01279E	LEAD CONNECTOR;LB6T,Flat Connector Ass'y	1	SA	
..2		BN73-00273B	SILICON/RUBBER-GAPPAD;UE32C6500,SILICON+	1	SNA	
..2	M0081	6003-001439	SCREW-TAPTYPE;BH,+,S,M4,L8,ZPC(WHT),SWRC	1	SNA	
0.1	ACCE1	BN92-05748F	ASSY ACCESSORY;LN37C530F1MXZD	1	SNA	
..2	ACCE2	BN96-13169F	ASSY ACCESSORY-CABLE;LN37C530F1MXZD	1	SNA	
...3	T0268	3903-000438	CBF-POWER CORD;DT,BR,BP3/YES,IEC320 C13-	1	SA	
...3	T0120	4301-000121	BATTERY-MN;1.5V,R03,10.5x44.5m,HOLDER,7.	2	SNA	
...3	M9889	BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	SA	
...3	T0531	BN63-06339A	COVER-BOTTOM;37,40,46,LC650,HIPS,HB,BK00	1	SA	
...3	REMO2	BN98-02497A	ASSY K/D-REMOCON;BN59-01020A	1	SA	
....4	M0014	BN94-03320V	ASSY PCB MAIN;BN59-01020A	1	SNA	
.....5		BN83-01764A	CKD-CASE-TOP;ABS+PMMA SF-0507TR BLACK	1	SNA	
.....5		BN83-01765A	CKD-CASE-BOTTOM;ABS H B H F- 0 6 8 0 K 2	1	SNA	
.....5		BN83-01766A	CKD-CASE-REAR SUB;ABS H B H F- 0 6 8 0 K	1	SNA	
.....5		BN83-01767A	CKD-KNOB NAVI;ABS H B H F- 0 6 8 0 K 2 1	1	SNA	
.....5		BN83-01768A	CKD-KNOB ENTER;ABS H B H F- 0 6 8 0 K 2	1	SNA	
.....5		BN83-01770A	CKD-RUBBER KEY PAD;SILICONE 49 KEY	1	SNA	
.....5		BN83-01771A	CKD-COMMON SPRING;NICO SUS 0.5	1	SNA	
.....5		BN97-04044V	ASSY SMD;BN59-01020A	1	SNA	
......6		BN83-01774A	CKD-IC-MCU;GC49C501G3	1	SNA	
......6		BN83-01775A	CKD-PCB;TM1060,1050-RMXXX, REV:00	1	SNA	
......6		BN83-01777A	CKD-CHIP-CAPACITOR;0603/Y5V/+80~-20%/25V	1	SNA	
......6		BN83-01778A	CKD-TANTALUM-CAPACITOR;3216 SIZE / 6.3V	1	SNA	
......6		BN83-01779A	CKD-TACT-SWITCH;ST-1187	1	SNA	
......6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
.....5		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.3	SNA	
.....5	L0405	BN83-01257A	CKD-IR-LED;SI-5312H	1	SNA	
.....5		BN83-01772A	CKD-SPRING-REMOCON(+);NICO SUS 0.5	1	SNA	
.....5		BN83-01773A	CKD-SPRING-REMOCON(-);NICO SUS 0.5	1	SNA	
.....5	PE-RMC	AC69-30137A	BAG PE;LDPE,T0.08,80,270,WHT,-,-,-	1	SNA	
...3	T0952	BN59-00994A	MODULE;FM-Transmitter module,KSR-MX028,1	1	SA	
..2		BN96-13170D	ASSY ACCESSORY-MANUAL;LN32C530F1MXZD	1	SNA	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2,9.2	1	SNA	
...3	ACCESS	BN68-00844A	MANUAL FLYER-01, LEAFLET;LCD/CDT Leaflet	1	SNA	
...3		BN68-02639A	MANUAL USERS-IB;Comm,Samsung,Eng/BP,Braz	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	
0.1		BN92-05750P	ASSY LABEL;LN46C530F1MXZD	1	SNA	
..2	T0527	BP68-00052B	LABEL-00,RATING;CCTV,TETRON PAPER,T0.05,	1	SNA	
..2	T0527	AA68-03752B	LABEL-STICKER;WW,ALL,Art Paper(90g),25,3	1	SNA	

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0.1		BN92-05781C	ASSY BOX;40,LC530,BRAZIL	1	SNA	
..2		AH68-00509A	LABEL BAR CODE;YP-NDP32SK,TETRON,0.15T,5	1	SNA	
..2		BN69-04631C	BOX-SET;40LC530,CB,A-01,DW3,YEL,W1195,D1	2	SNA	
0.1		BN92-05786A	ASSY P/MATERIAL;40,LC530	1	SNA	
..2	P-CASE	0203-001228	TAPE-OPP MASKING;373,T0.066,W72,L914000,	2.7	SNA	
..2	T0524	6902-000113	BAG PE;HDPE/NITRON/HDPE,T0.02/T0.5/T0.02	1	SNA	
..2	T0246	BN69-04353A	CUSHION-01,SET;40LC530-PS,EPS,16.7g/l	1	SNA	
..2		6902-000621	BAG SHEET;HDPE/NITRON,T0.015/T1,W1000,L2	1	SNA	
0.1	M0017	BN91-05467G	ASSY CHASSIS;MODEL	1	SNA	
..2	M0014	BN94-03476V	ASSY PCB MAIN;NEW MODEL	1	SA	
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.25	SNA	
...3		3701-001480	CONNECTOR-DSUB;15P,3R,FEMAIL,STAMPED PIN	1	SA	
...3	CN906	3707-001096	CONNECTOR-OPTICAL;STRAIGHT W/L,SPDIF	1	SA	
...3		3711-007302	HEADER-BOARD TO BOARD;BOX,18P,2R,2mm,ANG	1	SA	
...3		3722-003037	JACK-USB;4P/1C W/L,AU/NI,BLK,ANGLE,A	1	SA	
...3	JA330	3722-003038	JACK-PHONE;7P/1C W/L,SN,BLK	2	SA	
...3	JA333	3722-003040	JACK-PIN;3P W/L,SN,BLK/YEL/WHT/RED,ANGLE	1	SA	
...3	JA333	3722-003052	JACK-PIN;5P+Shield W/L,NI/SN,GN/BL/RD/WH	2	SA	
...3	L-PQS	BH68-00424A	LABEL-MICOM;ALL,PAPER100G,60,30,WHITE	1	SNA	
...3	L-PQS	BH68-00424B	LABEL-MICOM;ALL,PAPER100G,60,20,WHITE	1	SNA	
...3	ET01	BN40-00167A	TUNER;DNVS223VL161A,ISDB-T,191CH,38.9MHz	1	SA	
...3	T0066	BN62-00040A	HEAT SINK-ES;SAPPHIRE,T2.0,36*36*6.6,BLK	1	SNA	
...3	M0412	BN96-11826C	ASSY BRACKET P-PCB;LB450 40,SPTE T0.5 +	1	SNA	
....4		BN61-04928C	BRACKET-SUPPORT PCB;SPTE,T 0.5,SCREW-M4	1	SNA	
....4		BN61-05262B	HOLDER-BOSS PCB;52,LB550(EO),PBT+G/F(30%	1	SNA	
...3		BN97-04044A	ASSY SMD;LN46C530F1M	1	SNA	
....4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	18	SA	
....4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	9	SNA	
....4	D0254	0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	1	SA	
....4	T0139	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/-V,150W,SLP251	6	SNA	
....4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	8	SA	
....4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	9	SA	
....4	Q409	0505-002560	FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm,	1	SA	
....4	IC106	1001-001573	IC-VIDEO SWITCH;Sil9287BCNUTR,QFN,72P,10	1	SNA	
....4		1006-001474	IC-LINE DRIVER;DRV604PWP,HPSSOP,28P,9.8x	1	SA	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	
....4		1105-002058	IC-DDR2 SDRAM;K4T1G164QE-HCF8,DDR2,1Gbit	2	SA	
....4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	1	SA	
....4	T0087	1203-001815	IC-POSI.FIXED REG.;78M09,TO-252,3P,PLAST	1	SA	
....4	T0087	1203-002835	IC-POSI.FIXED REG.;KIA7805AF,DPAK,3P,6.6	1	SA	
....4	T0087	1203-002898	IC-POSI.FIXED REG.;G950T45R,T0-252,3P,6.	1	SA	
....4	T0087	1203-005134	IC-POSI.FIXED REG.;RT9167A-33PB,SOT-23-5	1	SNA	
....4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
....4		1203-006013	IC-DC/DC CONVERTER;AOZ1031AI,SO-8,8P,4.9	1	SA	
....4		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
....4		1204-003096	IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P	1	SA	
....4		1204-003117	IC-AUDIO PROCESSOR;MSP3455G,PMQFP,44P,13	1	SA	
....4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	2	SA	
....4		1205-003733	IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9	1	SA	
....4		1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	SA	
....4		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	

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....4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	23	SA	
....4	ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SNA	
....4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	32	SNA	
....4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	9	SNA	
....4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	40	SNA	
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	15	SNA	
....4	R102	2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	6	SA	
....4	HDR9	2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	7	SNA	
....4	AR43	2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR13	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	8	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	3	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	2	SNA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	16	SNA	
....4	HDR17	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	4	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	10	SNA	
....4	MR9	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	2	SA	
....4	ER13	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-000755	R-CHIP;330Kohm,1%,1/10W,TP,1608	1	SA	
....4	R124	2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	3	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	3	SNA	
....4	AAR20	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	2	SNA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	2	SA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	6	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	12	SNA	
....4		2007-002906	R-CHIP;200Kohm,1%,1/10W,TP,1608	3	SA	
....4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	28	SNA	
....4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	8	SNA	
....4		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	2	SA	
....4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	12	SNA	
....4	MR11	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	19	SNA	
....4		2007-008134	R-CHIP;12.4Kohm,1%,1/16W,TP,1005	1	SC	
....4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	4	SA	
....4		2011-001519	R-NETWORK;33OHM,5%,1/16W,L,CHIP,4P,TP,1.	1	SA	
....4		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	7	SNA	
....4	AC1	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	4	SA	
....4	C4N08	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	5	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	3	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	8	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	V1233	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,TP,2012	6	SNA	
....4	MC9	2203-000627	C-CER,CHIP;.022nF,5%,50V,C0G,TP,1005	2	SNA	
....4	DC25	2203-000812	C-CER,CHIP;.033nF,5%,50V,C0G,1005	10	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	AC124	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	2	SNA	
....4	HDC5	2203-001072	C-CER,CHIP;0.056nF,5%,50V,NP0,1005	6	SA	
....4	C637	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	3	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	16	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	8	SNA	
....4	AD480	2203-005052	C-CER,CHIP;0.0033nF,0.25pF,50V,NP0,1005	2	SA	

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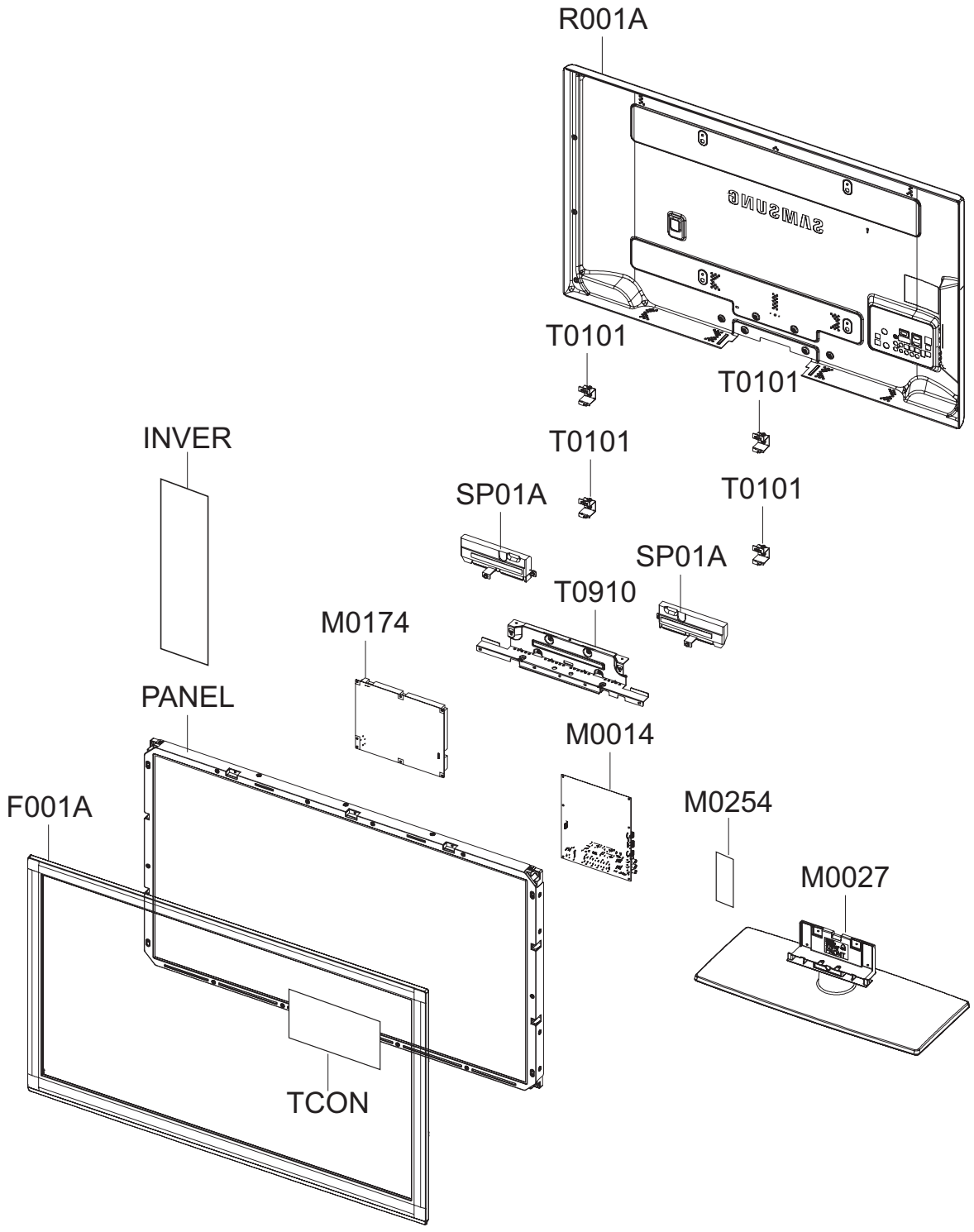
....4	AC611	2203-005194	C-CER,CHIP;.22nF,10%,50V,X7R,TP,1608	1	SA	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	12	SNA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	2	SNA	
....4	AD480	2203-006104	C-CER,CHIP;1000nF,10%,50V,X7R,3225	2	SA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	2	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	3	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	105	SNA	
....4	JC10	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,1608	2	SA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	13	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	52	SC	
....4	HDC11	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	25	SNA	
....4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	2	SNA	
....4	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608	3	SNA	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	10	SA	
....4	VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	6	SA	
....4	T0052	2703-001239	INDUCTOR-SMD;3.3uH,10%,1608	1	SA	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	2	SA	
....4	T0052	2703-003149	INDUCTOR-SMD;2.2uH,20%,5050	1	SA	
....4	X202	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,20pF,50oh	1	SA	
....4	X202	2801-004300	CRYSTAL-SMD;18.432MHz,30ppm,28-ABX,13pF,	1	SA	
....4	T0568	3301-001082	BEAD-SMD;60ohm,3225,TP,43ohm/40MHz,83ohm	1	SNA	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608	7	SNA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	34	SA	
....4	T0313	3404-001207	SWITCH-TACT;12V,50mA,160gf,6.2X6.2,SPST	1	SA	
....4		3701-001591	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-S,AU	2	SNA	
....4		3709-001287	CONNECTOR-CARD SLOT;10P,1.5mm,SMD-A,AU10	1	SA	
....4	CON_US	3711-005616	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,SMD	1	SNA	
....4		BN41-01338A	PCB MAIN;LC550,FR-4,4,1.0,1.2,192*158,1	1	SNA	
....4		BN97-04065A	ASSY MICOM;T-TDT5IBRC,2009.11.20,IC1201,	1	SNA	
.....5		1107-001818	IC-NAND FLASH;KFG1G16U2C-DIB6,1024Mbit,6	1	SNA	
....4		0202-001767	SOLDER-CREAM;LST-5710,D20~38,Sn-57Bi-1Ag	2.437	SNA	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	2	SA	
....4		0403-001164	DIODE-ZENER;MMSZ5232B,5.32-5.88V,500MW,S	1	SA	
....4	D0254	0404-001271	DIODE-SCHOTTKY;SSA34,40V,3000mA,SMA,TP	1	SA	
....4	SD3	0407-000114	DIODE-SWITCHING;KDS184,80V,100mA,SOT-23,	3	SNA	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	2	SA	
....4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
....4		1203-006133	IC-POSI.ADJUST REG.;AP1117D-25-GZ-13-89,	1	SA	
....4	T0087	1203-006135	IC-POSI.FIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
....4	T0087	1203-006136	IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T	1	SA	
....4	IC012	1203-006138	IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2	1	SA	
....4	AR49	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	2	SNA	
....4		2011-001448	R-NETWORK;10ohm,5%,1/16W,L,4P,T,1010	4	SA	
....4	T0052	2703-003559	INDUCTOR-SMD;4.7uH,20%,8080	1	SNA	
....4		2704-000029	INDUCTOR-SMD-ARRAY;5.6uH,2300mA,2,0.08oh	2	SNA	
....4		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,Hi	1	SNA	
....4	AC510	3708-002797	CONNECTOR-FPC/FFC/PIC;51P,0.50mm,SMD,AU,	1	SA	
....4	HB01A	3711-007336	HEADER-BOARD TO CABLE;B0X,4P,1R,2.5mm,SM	1	SA	
....4		3701-001693	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-A	1	SA	
....4		0403-000489	DIODE-ZENER;MMSZ5228B,5%,500MW,SOD-123,T	1	SA	
....4	T0596	0904-002554	IC-USC;AU6256-JBF,QFN,28P,5x5mm,12MHz,TP	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4		1203-005538	IC-DC/DC CONVERTER;AOZ1021HAIL,SOP,8P,4.	1	SA	
....4		1203-006288	IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3	1	SA	
....4		2007-001317	R-CHIP;910ohm,5%,1/16W,TP,1005	1	SNA	
....4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-008593	R-CHIP;750ohm,1%,1/16W,TP,1005	1	SA	
....4	MC302	2203-000425	C-CER,CHIP;.018nF,5%,50V,C0G,TP,1005	2	SA	
....4	C711	2203-002982	C-CER,CHIP;6.8nF,10%,50V,X7R,1005	1	SA	
....4	AD480	2203-006144	C-CER,CHIP;4700nF,10%,16V,X7R,3216	1	SA	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	2	SA	
....4	L1103	2703-000403	INDUCTOR-SMD;22uH,10%,3225	1	SA	
....4	T0052	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005	4	SNA	
....4	X202	2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	
....4		BN97-04311A	ASSY MICOM-SUB;2010.01.19,1107-001580	1	SNA	
.....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8,S	1	SNA	
....4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70	1	SA	
....4		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	1	SA	
....4		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	1	SNA	
....4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	1	SNA	
....4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,1608	1	SNA	
....4	R945	2007-000726	R-CHIP;300ohm,1%,1/10W,TP,1608	1	SA	
....4		2007-007222	R-CHIP;6.04Kohm,1%,1/10W,TP,1608	1	SA	
....4	DRP29	2011-001396	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	SA	
....4		2011-001427	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,2.0	1	SA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	1	SNA	
...3	T0066	BP62-00047A	HEAT SINK-ES;DLP,A6063S,T2.5,13,13,TAPE	1	SNA	

5. Exploded View & Part List

5-1. LN46C530F1M Exploded View



5-2. LN46C530F1M Parts List

Location No.	Code No.	Description & Specification	Q'ty	S.A/S.N.A	Remark
F001A	BN96-12786C	ASSY COVER P-FRONT;46,LC530,BRAZIL,ABS+P	1	SA	
INVER	BN81-04173A	A/S-BB-L LTF460HM01;LTF460HM01	1	SA	
M0014	BN94-03320R	ASSY PCB MAIN;BN96-13022C	1	SNA	
M0027	BN96-12800A	ASSY STAND P-BASE;46,LC530,ABS+PMMA,HB,B	1	SA	
M0174	BN44-00341A	IP BOARD-TV;PSIV281510A,I46F1_ASM,14mA,1	1	SA	
M0254	BN61-06296A	HOLDER-SIDE AV;LC530,SO,PMMA+ABS HB,BK00	1	SNA	
PANEL	BN07-00815A	LCD-PANEL;LTF460HM01,SSEZMS,8bit,46,16.7	1	SA	
R001A	BN96-12768F	ASSY COVER P-REAR;46,LC530,BRAZIL,PCM,T0	1	SA	
SP01A	BN98-02408B	ASSY K/D-SPEAKER;BN96-12837B,SEDA,Brazil	1	SA	
T0101	BN61-05997A	BRACKET-WALL;LC650 46,SECC,T1.6	4	SNA	
T0910	BN96-13342A	ASSY BRACKET P-STAND LINK;LC530 37/40/46	1	SNA	
TCON	BN81-04157A	A/S-T CON LTF460HM01;LTF460HM01	1	SA	

5-2-1. LN46C530F1M Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
		LN46C530F1MXZD	LCD TV,LN46C530F1M,22,THAILAND,N88A/			
0.1		BN68-02379B	LABEL-STICKER;Brazila,PET,T0.05,45,150	1	SNA	
0.1	R001A	BN90-02449F	ASSY COVER REAR;46,LC530,BRAZIL	1	SNA	
..2	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	14	SA	
..2	R001A	BN96-12768F	ASSY COVER P-REAR;46,LC530,BRAZIL,PCM,T0	1	SA	
...3	R001	BN63-06337E	COVER-REAR;46,LC530,SO,PCM,T0.5,BLK	1	SNA	
...3	T0071	BN64-01228F	INLAY-TERMINAL;LC450,ZD,PS SHEET,T0.5,BL	1	SNA	
...3		BN64-01270E	INLAY-AV;LC530,SO,PS SHEET,T0.5	1	SNA	
...3	T0139	BN65-00003A	CLAMPER BAG;42C7,LDPE,HB,BLK	1	SNA	
...3		BN60-00162X	SPACER-FOAM;FOAM,30000mm,Dark Gray,1T,15	1.95	SNA	
...3	AH358	BN61-06545A	HOLDER-REAR;LC650 37/40/46,PP,BLK	1	SNA	
...3		BN63-06630A	SHEET-INSULATOR SMPS;UC6100 40inch,PC,T0	1	SNA	
0.1		BN90-02462C	ASSY COVER FRONT;46,LC530,BRAZIL	1	SNA	
..2	F001A	BN96-12786C	ASSY COVER P-FRONT;46,LC530,BRAZIL,ABS+P	1	SA	
...3	AB326	BN61-04661A	BRACKET-STOPPER;L650,SK-5,T0.4,Plating,H	5	SNA	
...3	CCM1	BN63-02183H	COVER-SHEET;Rhcm,PE Vinyl,T0.04,1300mm,2	0.69	SNA	
...3	F001	BN63-06397C	COVER-FRONT;46,LC530,BRAZIL,ABS+PMMA,HB,	1	SNA	
...3		BN96-12792A	ASSY DECORATION P-BOTTOM;46,LC530,PC,CLE	1	SNA	
....4		BN61-04731B	BOSS-TAPE;AMBER,ACRYL,T1.1,W12.0mm,WHITE	0.77	SNA	
....4	AD070	BN64-01243A	DECORATION-BOTTOM;46,LC530,PC,CLEAR,V2,T	1	SNA	
....4		BN61-06617A	BOSS-TAPE;LC530,ACRYL,T1.1,W4.0mm,L135.0	1	SNA	
...3	FB09A	BN98-02487A	ASSY K/D-BOARD P-TOUCH FUNCTION&IR;BN96-	1	SA	
....4	M0014	BN94-03320R	ASSY PCB MAIN;BN96-13022C	1	SNA	
.....5	EC13	BN39-01276A	LEAD CONNECTOR;LC650,UL1061 #28,10 to 8p	1	SA	
.....5		BN83-01715A	CKD-TAPE;SJ09-01-042A,#350LSE-3	1	SNA	
.....5		BN97-04044N	ASSY SMD;BN96-13022A	1	SNA	
......6		0403-001339	DIODE-ZENER;UDZS6.2B,6.06-6.33V,200mW,SO	2	SA	
......6		0406-001253	DIODE-TVS;VESD05A1-02V,6.0/6.8/7.5V,SOD-	2	SNA	
......6	L0405	0601-001915	LED;SMD,RED,1.6x0.8x0.6mm,660nm,1.6x0.8x	1	SA	
......6	D0254	0609-001346	MODULE REMOCON;SMD-H(R),5.9mm,0.590g	1	SNA	
......6	IS01A	1209-001900	IC-SENSOR;TOUCHCORE3.2-ML24IP,MLF,24P,4x	1	SA	
......6	IS01A	1209-001929	IC-SENSOR;CT802FN,6P,2x2x0.65mm,PLASTIC,	1	SA	
......6		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
......6	KAR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	3	SNA	
......6	CER02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	2	SNA	
......6	AR30	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	2	SA	
......6	RR2	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	7	SA	
......6	FAR22	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	2	SNA	
......6	AHR40	2007-000088	R-CHIP;7.5Kohm,5%,1/10W,TP,1608	2	SNA	
......6	MROP1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
......6	R320	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	SA	
......6	AC14	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	2	SNA	
......6	EC9	2203-005834	C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216	1	SA	
......6	C234	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,TP,1608	1	SNA	
......6	AD480	2203-006399	C-CER,CHIP;1000nF,10%,6.3V,X5R,1005	1	SA	
......6	XE1	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	SA	
......6	CN906	3711-007091	CONNECTOR-HEADER;BOX,8P,1R,1.25mm,SMD-S,	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
.....6		BN41-01382A	PCB-TOUCH;LC5F,FR-4,2,1.6T,165.0 x 138.0	1	SNA	
.....6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
...3		BN60-00162V	SPACER-FOAM;FOAM,50000mm,Dark Gray,0.5T,	3.18	SNA	
...3		BN64-01245A	DECORATION-IN;46,LC530,PC,V2,RD0045(RED)	1	SNA	
..2	SP01A	BN98-02408B	ASSY K/D-SPEAKER;BN96-12837B,SEDA,Brazil	1	SA	
...3		BN83-01520A	CKD-SPEAKER;LCD350 22inch Speaker label,	1	SNA	
...3		BN83-01615A	CKD-SPEAKER;speaker unit,96mmx30mm, 6ohm	2	SNA	
...3		BN83-01621A	CKD-SPEAKER;Rubber Ring,4ea / set	2	SNA	
...3		BN83-01622A	CKD-SPEAKER;Screw,8ea / set	8	SNA	
...3		BN83-01638A	CKD-SPEAKER;Wire ASS'y,4pin , L630 / R29	1	SNA	
...3		BN83-01639A	CKD-SPEAKER;FELT_3,80mm x 13mm x 0.5t	2	SNA	
...3		BN83-01648A	CKD-SPEAKER;Duct,104mm x 12.6mm x 1t	2	SNA	
...3		BN83-01649A	CKD-SPEAKER;E.V.A_1,180mm x 15mm x 2t	6	SNA	
...3		BN83-01651A	CKD-SPEAKER;FELT_2,50mm x 25mm x 0.3t	4	SNA	
...3		BN83-01623A	CKD-SPEAKER;Back Gasket,96 x 30 x 1t, E.	2	SNA	
...3		BN83-01627A	CKD-SPEAKER;FELT_1,30mm x 7mmx 0.3t	4	SNA	
...3		BN83-01629A	CKD-SPEAKER;FELT_3,47mm x 25mmx 0.3t	2	SNA	
...3		BN83-01652A	CKD-SPEAKER;CASE_L_TOP,248 x 47.6 x 45mm	1	SNA	
...3		BN83-01653A	CKD-SPEAKER;CASE_L_Bottom,211.8 x 36.8 x	1	SNA	
...3		BN83-01654A	CKD-SPEAKER;CASE_R_TOP,248 x 47.6 x 45mm	1	SNA	
...3		BN83-01655A	CKD-SPEAKER;CASE_R_Bottom,211.8 x 36.8 x	1	SNA	
...3		BN83-01804A	CKD-SPEAKER;Clamp,20 x16mm	2	SNA	
...3		BN83-01805A	CKD-SPEAKER;P.E_Foam_B4,80 x 24 x 1t	2	SNA	
...3		BN83-01806A	CKD-SPEAKER;P.E_Foam_B5,230 x 10 x 3t	2	SNA	
0.1	S001A	BN90-02467C	ASSY STAND;46,LC530,W/W,BLACK	1	SNA	
..2	SG03A	BN96-12795B	ASSY STAND P-GUIDE;37,40,46,LC530,W/W,PC	1	SA	
...3		BN96-12031E	ASSY ACCESSORY-SCREW;10 LCD-TV,6003-0010	1	SNA	
....4	T0524	6902-000341	BAG PE;LDPE,T0.05,L90,W70,TRP,,,PE MARK	1	SNA	
....4	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	8	SA	
...3	T0524	6902-001063	BAG PE;LDPE,T0.05,W180,L350,TRP,RECYCLE	1	SNA	
...3	T0920	BN61-06003A	GUIDE-STAND;37,40,46,LC650,PC+G/F,20%,V2	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	
..2	M0027	BN96-12800A	ASSY STAND P-BASE;46,LC530,ABS+PMMA,HB,B	1	SA	
...3	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	SA	
...3	M0081	6003-001239	SCREW-TAPTYPE;FH,+,B,M4,L10,ZPC(WHT),SWR	6	SNA	
...3	T0010	BN61-02534A	HOLDER-SWIVEL RING;46M7 EO,ACETAL,NATUAL	1	SNA	
...3		BN61-02536A	BRACKET-HINGE SWIVEL;46M7 EO,HG,T3.0	1	SNA	
...3		BN61-03953A	BRACKET-STAND BOTTOM;L550 46,HGI,T2.0	1	SNA	
...3		BN61-03954A	BRACKET-STAND SUB;L550 46,HGI,T2.0	1	SNA	
...3	T0010	BN61-03955A	HOLDER-SWIVEL RING;L550 46,ACETAL,NATUAL	1	SNA	
...3	CCM1	BN63-02183D	COVER-SHEET;Rhcm,PE Vinyl,T0.04,680mm,20	0.4	SNA	
...3	M0019	BN73-00052C	RUBBER-FOOT;LCD TV,CR RUBBER,T2.0 DIA19,	6	SNA	
...3		BN74-00031A	GREASE;kanto-kasei FL-955,grease,wht	0.4	SNA	
...3	GSN01	BN61-06028A	GUIDE-STAND NECK;46,LC530,PC+G/F,20%,V2,	1	SNA	
...3		BN63-05523A	COVER-STAND BASE;46,LB530,ABS+PMMA,HB,BK	1	SNA	
0.1		BN91-04897A	ASSY LCD-AMLCD;BN07-00815A	1	SNA	
..2	PANEL	BN07-00815A	LCD-PANEL;LTF460HM01,SSEZMS,8bit,46,16.7	1	SA	
...3	TCON	BN81-04157A	A/S-T CON LTF460HM01;LTF460HM01	1	SA	
...3	INVER	BN81-04173A	A/S-BB-L LTF460HM01;LTF460HM01	1	SA	
0.1		BN91-05004K	ASSY SHIELD;LN46C530F1MXZD	1	SNA	
..2	T0081	6001-002284	SCREW-MACHINE;BH,+,M4,L8,ZPC(WHT),SWRCH1	9	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..2	M0081	6003-000337	SCREW-TAPTYPE;BH,+,S,M4,L10,ZPC(BLK),SWR	7	SA	
..2	M0081	6003-001003	SCREW-TAPTYPE;BH,+,B,M4,L12,ZPC(BLK),SWR	8	SA	
..2	M2893	BN39-01267F	LEAD CONNECTOR;LB6T,UL2651#26,18P,350mm,	1	SA	
..2	M2893	BN39-01279A	LEAD CONNECTOR;LB6T,UL1061#28,UL1061,7P,	1	SA	
..2	M0174	BN44-00341A	IP BOARD-TV;PSIV281510A,I46F1_ASM,14mA,1	1	SA	
..2	M0146	BN61-04819A	BRACKET-PANEL TOP;B650-46,SECC,T1.2	2	SNA	
..2	M0254	BN61-06296A	HOLDER-SIDE AV;LC530,SO,PMMA+ABS HB,BK00	1	SNA	
..2	M0523	BN96-12974A	ASSY BRACKET P-WALL;46,52,55,LC650,SECC,	4	SNA	
...3		BN60-00188A	SPACER-FOAM;LCD,FELT,20,3.0,30,Center :	4	SNA	
...3	T0101	BN61-05997A	BRACKET-WALL;LC650 46,SECC,T1.6	4	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	4	SNA	
..2	M0230	BN96-13171D	ASSY CABLE P-FFC;LN46C530F1FXZA,FFC,0.5m	1	SA	
..2	T0910	BN96-13342A	ASSY BRACKET P-STAND LINK;LC530 37/40/46	1	SNA	
...3		BN61-02429K	STUD-PEM;PNB,M3.8,D7,L14.9,ZPC(SIL),SUM2	2	SNA	
...3		BN61-05281A	HOLDER-CLAMP;LCD,NYLON 66,WHT	3	SNA	
...3	M0115	BN61-05998A	BRACKET-STAND LINK;LC650 46,SECC,T1.6	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	
..2	M2893	BN39-01024E	LEAD CONNECTOR;LC5F,UL3239#24,2P,175mm,1	1	SA	
..2		BN61-06441A	HOLDER-INLET;LC530,ABS,V0	1	SNA	
..2		BN73-00273B	SILICON/RUBBER-GAPPAD;UE32C6500,SILICON+	1	SNA	
..2	M0081	6003-001439	SCREW-TAPTYPE;BH,+,S,M4,L8,ZPC(WHT),SWRC	1	SNA	
0.1		BN92-05750P	ASSY LABEL;LN46C530F1MXZD	1	SNA	
..2	T0527	BP68-00052B	LABEL-00,RATING;CCTV,TETRON PAPER,T0.05,	1	SNA	
..2	T0527	AA68-03752B	LABEL-STICKER;WW,ALL,Art Paper(90g),25,3	1	SNA	
0.1		BN92-05782C	ASSY BOX;46,LC530,BRAZIL	1	SNA	
..2		AH68-00509A	LABEL BAR CODE;YP-NDP32SK,TETRON,0.15T,5	1	SNA	
..2		BN69-04652C	BOX-SET;46LC530-S,CB,A-01,DW2,ECT50,YEL,	2	SNA	
0.1		BN92-05787A	ASSY P/MATERIAL;46,LC530	1	SNA	
..2	P-CASE	0203-001228	TAPE-OPP MASKING;373,T0.066,W72,L914000,	3.03	SNA	
..2	T0524	6902-000875	BAG PE;HDPE/HDPE/NITRON,T0.015/T0.015/T0	1	SNA	
..2	T0246	BN69-04354A	CUSHION-01,SET;46LC530/540-PS,EPS,16.7 g	1	SNA	
..2		6902-000621	BAG SHEET;HDPE/NITRON,T0.015/T1,W1000,L2	1	SNA	
0.1	ACCE1	BN92-06002E	ASSY ACCESSORY;NEW MODEL	1	SNA	
..2		BN96-13170D	ASSY ACCESSORY-MANUAL;LN32C530F1MXZD	1	SNA	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2,9.2	1	SNA	
...3	ACCESS	BN68-00844A	MANUAL FLYER-01, LEAFLET;LCD/CDT Leaflet	1	SNA	
...3		BN68-02639A	MANUAL USERS-IB;Comm,Samsung,Eng/BP,Braz	1	SNA	
...3		BN81-02301A	A/S-LABEL-E PASS;SEDA,ART PAPER,W42,L12,	1	SNA	
..2	ACCE2	BN96-13875C	ASSY ACCESSORY-CABLE;NEW MODEL	1	SNA	
...3	T0268	3903-000438	CBF-POWER CORD;DT,BR,BP3/YES,IEC320 C13-	1	SA	
...3	T0120	4301-000121	BATTERY-MN;1.5V,R03,10.5x44.5m,HOLDER,7.	2	SNA	
...3	M9889	BN63-01798B	CLOTH-CLEAN;cloth,180,200,sea blue,ToC	1	SA	
...3	T0531	BN63-06339A	COVER-BOTTOM;37,40,46,LC650,HIPS,HB,BK00	1	SA	
...3	T0010	BN96-08624A	ASSY HOLDER P;08 PDP MODEL,ABS HB,GRAY	1	SNA	
....4		6902-000683	BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,4-PE M	1	SNA	
....4	T0010	BN61-04529A	HOLDER-RING;ABS, HB,GRAY	4	SNA	
...3	REMO2	BN98-02497A	ASSY K/D-REMOCON;BN59-01020A	1	SA	
....4	M0014	BN94-03320V	ASSY PCB MAIN;BN59-01020A	1	SNA	
.....5		BN83-01764A	CKD-CASE-TOP;ABS+PMMA SF-0507TR BLACK	1	SNA	
.....5		BN83-01765A	CKD-CASE-BOTTOM;ABS H B H F- 0 6 8 0 K 2	1	SNA	
.....5		BN83-01766A	CKD-CASE-REAR SUB;ABS H B H F- 0 6 8 0 K	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
.....5		BN83-01767A	CKD-KNOB NAVI;ABS H B H F- 0 6 8 0 K 2 1	1	SNA	
.....5		BN83-01768A	CKD-KNOB ENTER;ABS H B H F- 0 6 8 0 K 2	1	SNA	
.....5		BN83-01770A	CKD-RUBBER KEY PAD;SILICONE 49 KEY	1	SNA	
.....5		BN83-01771A	CKD-COMMON SPRING;NICO SUS 0.5	1	SNA	
.....5		BN97-04044V	ASSY SMD;BN59-01020A	1	SNA	
......6		BN83-01774A	CKD-IC-MCU;GC49C501G3	1	SNA	
......6		BN83-01775A	CKD-PCB;TM1060,1050-RMXXX, REV:00	1	SNA	
......6		BN83-01777A	CKD-CHIP-CAPACITOR;0603/Y5V/+80~-20%/25V	1	SNA	
......6		BN83-01778A	CKD-TANTALUM-CAPACITOR;3216 SIZE / 6.3V	1	SNA	
......6		BN83-01779A	CKD-TACT-SWITCH;ST-1187	1	SNA	
......6		0202-001477	SOLDER-CREAM;LST309-M,D20~45um,96.5Sn/3A	0.08	SNA	
.....5		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.3	SNA	
.....5	L0405	BN83-01257A	CKD-IR-LED;SI-5312H	1	SNA	
.....5		BN83-01772A	CKD-SPRING-REMOCON(+);NICO SUS 0.5	1	SNA	
.....5		BN83-01773A	CKD-SPRING-REMOCON(-);NICO SUS 0.5	1	SNA	
.....5	PE-RMC	AC69-30137A	BAG PE;LDPE,T0.08,80,270,WHT,-,-,-	1	SNA	
...3	T0952	BN59-00994A	MODULE;FM-Transmitter module,KSR-MX028,1	1	SA	
0.1	M0017	BN91-05467H	ASSY CHASSIS;MODEL	1	SNA	
..2	M0014	BN94-03476W	ASSY PCB MAIN;NEW MODEL	1	SA	
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.25	SNA	
...3		3701-001480	CONNECTOR-DSUB;15P,3R,FEMAIL,STAMPED PIN	1	SA	
...3	CN906	3707-001096	CONNECTOR-OPTICAL;STRAIGHT W/L,SPDIF	1	SA	
...3		3711-007302	HEADER-BOARD TO BOARD;BOX,18P,2R,2mm,ANG	1	SA	
...3		3722-003037	JACK-USB;4P/1C W/L,AU/NI,BLK,ANGLE,A	1	SA	
...3	JA330	3722-003038	JACK-PHONE;7P/1C W/L,SN,BLK	2	SA	
...3	JA333	3722-003040	JACK-PIN;3P W/L,SN,BLK/YEL/WHT/RED,ANGLE	1	SA	
...3	JA333	3722-003052	JACK-PIN;5P+Shield W/L,NI/SN,GN/BL/RD/WH	2	SA	
...3	L-PQS	BH68-00424A	LABEL-MICOM;ALL,PAPER100G,60,30,WHITE	1	SNA	
...3	L-PQS	BH68-00424B	LABEL-MICOM;ALL,PAPER100G,60,20,WHITE	1	SNA	
...3	ET01	BN40-00167A	TUNER;DNVS223VL161A,ISDB-T,191CH,38.9MHz	1	SA	
...3	T0066	BN62-00040A	HEAT SINK-ES;SAPPHIRE,T2.0,36*36*6.6,BLK	1	SNA	
...3	M0412	BN96-11826C	ASSY BRACKET P-PCB;LB450 40,SPTE T0.5 +	1	SNA	
....4		BN61-04928C	BRACKET-SUPPORT PCB;SPTE,T 0.5,SCREW-M4	1	SNA	
....4		BN61-05262B	HOLDER-BOSS PCB;52,LB550(EO),PBT+G/F(30%	1	SNA	
...3		BN97-04044A	ASSY SMD;LN46C530F1M	1	SNA	
....4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	18	SA	
....4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	9	SNA	
....4	D0254	0404-001404	DIODE-SCHOTTKY;BAT721C,40V,200mA,SOT-23,	1	SA	
....4	T0139	0406-001271	DIODE-TVS;RCLAMP0524P,6/-/-V,150W,SLP251	6	SNA	
....4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	8	SA	
....4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	9	SA	
....4	Q409	0505-002560	FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm,	1	SA	
....4	IC106	1001-001573	IC-VIDEO SWITCH;Sil9287BCNUTR,QFN,72P,10	1	SNA	
....4		1006-001474	IC-LINE DRIVER;DRV604PWP,HPSSOP,28P,9.8x	1	SA	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	
....4		1105-002058	IC-DDR2 SDRAM;K4T1G164QE-HCF8,DDR2,1Gbit	2	SA	
....4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	1	SA	
....4	T0087	1203-001815	IC-POSI.FIXED REG.;78M09,TO-252,3P,PLAST	1	SA	
....4	T0087	1203-002835	IC-POSI.FIXED REG.;KIA7805AF,DPAK,3P,6.6	1	SA	
....4	T0087	1203-002898	IC-POSI.FIXED REG.;G950T45R,T0-252,3P,6.	1	SA	
....4	T0087	1203-005134	IC-POSI.FIXED REG.;RT9167A-33PB,SOT-23-5	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
....4		1203-006013	IC-DC/DC CONVERTER;AOZ1031AI,SO-8,8P,4.9	1	SA	
....4		1203-006017	IC-VOL. DETECTOR;RT9824GJ8,TSOT23,8P,2.9	1	SA	
....4		1204-003096	IC-VIDEO DECODER;HIDTVPRO-SX,PBGA,580P,P	1	SA	
....4		1204-003117	IC-AUDIO PROCESSOR;MSP3455G,PMQFP,44P,13	1	SA	
....4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	2	SA	
....4		1205-003733	IC-SWITCH;AP2191MPG-13,MSOP-8L-EP,8P,2.9	1	SA	
....4		1405-001185	VARISTOR;24Vdc,1.6x0.8x0.36mm,TP	1	SA	
....4		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	2	SA	
....4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	23	SA	
....4	ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SNA	
....4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	32	SNA	
....4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	9	SNA	
....4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	40	SNA	
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	15	SNA	
....4	R102	2007-000149	R-CHIP;12Kohm,5%,1/16W,TP,1005	6	SA	
....4	HDR9	2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	7	SNA	
....4	AR43	2007-000155	R-CHIP;27Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR13	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	8	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	3	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	2	SNA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	16	SNA	
....4	HDR17	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	4	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	10	SNA	
....4	MR9	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	2	SA	
....4	ER13	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-000755	R-CHIP;330Kohm,1%,1/10W,TP,1608	1	SA	
....4	R124	2007-000775	R-CHIP;33Kohm,5%,1/16W,TP,1005	3	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	3	SNA	
....4	AAR20	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	2	SNA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	2	SA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	6	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	12	SNA	
....4		2007-002906	R-CHIP;200Kohm,1%,1/10W,TP,1608	3	SA	
....4		2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	28	SNA	
....4		2007-007156	R-CHIP;1ohm,5%,1/16W,TP,1005	8	SNA	
....4		2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	2	SA	
....4		2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	12	SNA	
....4	MR11	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	19	SNA	
....4		2007-008134	R-CHIP;12.4Kohm,1%,1/16W,TP,1005	1	SC	
....4		2011-001449	R-NETWORK;22ohm,5%,1/16W,L,4P,TP,1010	4	SA	
....4		2011-001519	R-NETWORK;33OHM,5%,1/16W,L,CHIP,4P,TP,1.	1	SA	
....4		2011-001527	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,4P,TP,	7	SNA	
....4	AC1	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	4	SA	
....4	C4N08	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	5	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	3	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	8	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	V1233	2203-000575	C-CER,CHIP;220nF,10%,25V,X7R,TP,2012	6	SNA	

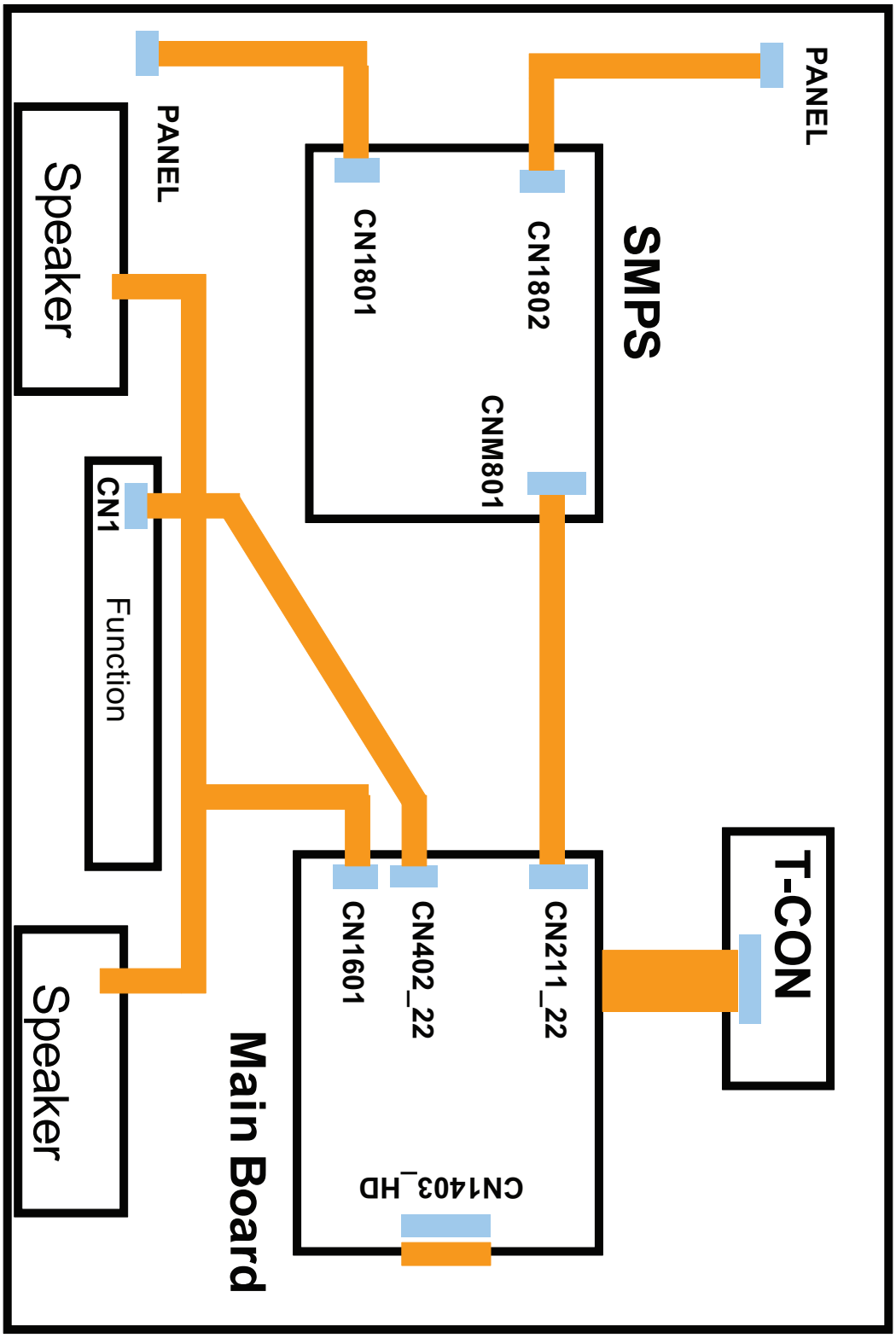
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	MC9	2203-000627	C-CER,CHIP;.022nF,5%,50V,C0G,TP,1005	2	SNA	
....4	DC25	2203-000812	C-CER,CHIP;.033nF,5%,50V,C0G,1005	10	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	AC124	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	2	SNA	
....4	HDC5	2203-001072	C-CER,CHIP;0.056nF,5%,50V,NP0,1005	6	SA	
....4	C637	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	3	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	16	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	8	SNA	
....4	AD480	2203-005052	C-CER,CHIP;0.0033nF,0.25pF,50V,NP0,1005	2	SA	
....4	AC611	2203-005194	C-CER,CHIP;.22nF,10%,50V,X7R,TP,1608	1	SA	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	12	SNA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	2	SNA	
....4	AD480	2203-006104	C-CER,CHIP;1000nF,10%,50V,X7R,3225	2	SA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	2	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	3	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	105	SNA	
....4	JC10	2203-006324	C-CER,CHIP;2200nF,10%,10V,X5R,1608	2	SA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	13	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	52	SC	
....4	HDC11	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	25	SNA	
....4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	2	SNA	
....4	AD480	2203-007270	C-CER,CHIP;10000nF,10%,10V,X5R,TP,1608	3	SNA	
....4	T0052	2703-000158	INDUCTOR-SMD;1uH,10%,2012	10	SA	
....4	VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	6	SA	
....4	T0052	2703-001239	INDUCTOR-SMD;3.3uH,10%,1608	1	SA	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	2	SA	
....4	T0052	2703-003149	INDUCTOR-SMD;2.2uH,20%,5050	1	SA	
....4	X202	2801-003326	CRYSTAL-SMD;24MHz,30ppm,28-ABX,20pF,50oh	1	SA	
....4	X202	2801-004300	CRYSTAL-SMD;18.432MHz,30ppm,28-ABX,13pF,	1	SA	
....4	T0568	3301-001082	BEAD-SMD;60ohm,3225,TP,43ohm/40MHz,83ohm	1	SNA	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608	7	SNA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	34	SA	
....4	T0313	3404-001207	SWITCH-TACT;12V,50mA,160gf,6.2X6.2,SPST	1	SA	
....4		3701-001591	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-S,AU	2	SNA	
....4		3709-001287	CONNECTOR-CARD SLOT;10P,1.5mm,SMD-A,AU10	1	SA	
....4	CON_US	3711-005616	HEADER-BOARD TO CABLE;BOX,10P,1R,2mm,SMD	1	SNA	
....4		BN41-01338A	PCB MAIN;LC550,FR-4,4,1.0,1.2,192*158,1	1	SNA	
....4		BN97-04065A	ASSY MICOM;T-TDT5IBRC,2009.11.20,IC1201,	1	SNA	
.....5		1107-001818	IC-NAND FLASH;KFG1G16U2C-DIB6,1024Mbit,6	1	SNA	
....4		0202-001767	SOLDER-CREAM;LST-5710,D20~38,Sn-57Bi-1Ag	2.437	SNA	
....4	D0254	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	2	SA	
....4		0403-001164	DIODE-ZENER;MMSZ5232B,5.32-5.88V,500MW,S	1	SA	
....4	D0254	0404-001271	DIODE-SCHOTTKY;SSA34,40V,3000mA,SMA,TP	1	SA	
....4	SD3	0407-000114	DIODE-SWITCHING;KDS184,80V,100mA,SOT-23,	3	SNA	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8,SOP,8P,5x4mm	2	SA	
....4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
....4		1203-006133	IC-POSI.ADJUST REG.;AP1117D-25-GZ-13-89,	1	SA	
....4	T0087	1203-006135	IC-POSI.FIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
....4	T0087	1203-006136	IC-POSI.FIXED REG.;AP1117D-18-GZ-13-89,T	1	SA	
....4	IC012	1203-006138	IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2	1	SA	
....4	AR49	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	2	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4		2011-001448	R-NETWORK;10ohm,5%,1/16W,L,4P,T,1010	4	SA	
....4	T0052	2703-003559	INDUCTOR-SMD;4.7uH,20%,8080	1	SNA	
....4		2704-000029	INDUCTOR-SMD-ARRAY;5.6uH,2300mA,2,0.08oh	2	SNA	
....4		3601-001374	FUSE-SURFACE MOUNT;32V,5A,FAST-ACTING,Hi	1	SNA	
....4	AC510	3708-002797	CONNECTOR-FPC/FFC/PIC;51P,0.50mm,SMD,AU,	1	SA	
....4	HB01A	3711-007336	HEADER-BOARD TO CABLE;B0X,4P,1R,2.5mm,SM	1	SA	
....4		3701-001693	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-A	1	SA	
....4		0403-000489	DIODE-ZENER;MMSZ5228B,5%,500MW,SOD-123,T	1	SA	
....4	T0596	0904-002554	IC-USC;AU6256-JBF,QFN,28P,5x5mm,12MHz,TP	1	SA	
....4		1203-005538	IC-DC/DC CONVERTER;AOZ1021HAIL,SOP,8P,4.	1	SA	
....4		1203-006288	IC-VOL. DETECTOR;RT9818B-18GV,SOT-23-3,3	1	SA	
....4		2007-001317	R-CHIP;910ohm,5%,1/16W,TP,1005	1	SNA	
....4		2007-007135	R-CHIP;18Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007316	R-CHIP;3.3Kohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-008593	R-CHIP;750ohm,1%,1/16W,TP,1005	1	SA	
....4	MC302	2203-000425	C-CER,CHIP;.018nF,5%,50V,C0G,TP,1005	2	SA	
....4	C711	2203-002982	C-CER,CHIP;6.8nF,10%,50V,X7R,1005	1	SA	
....4	AD480	2203-006144	C-CER,CHIP;4700nF,10%,16V,X7R,3216	1	SA	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	2	SA	
....4	L1103	2703-000403	INDUCTOR-SMD;22uH,10%,3225	1	SA	
....4	T0052	2703-002268	INDUCTOR-SMD;8.2nH,5%,1005	4	SNA	
....4	X202	2801-004775	CRYSTAL-SMD;12MHz,30ppm,16pF,30ohm,TP	1	SNA	
....4		BN97-04311A	ASSY MICOM-SUB;2010.01.19,1107-001580	1	SNA	
.....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8,S	1	SNA	
....4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70	1	SA	
....4		2007-007317	R-CHIP;2.2Kohm,1%,1/16W,TP,1005	1	SA	
....4		2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	1	SNA	
....4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	1	SNA	
....4	AD480	2203-006824	C-CER,CHIP;4700nF,10%,10V,X5R,1608	1	SNA	
....4	R945	2007-000726	R-CHIP;300ohm,1%,1/10W,TP,1608	1	SA	
....4		2007-007222	R-CHIP;6.04Kohm,1%,1/10W,TP,1608	1	SA	
....4	DRP29	2011-001396	R-NETWORK;4.7Kohm,5%,1/16W,L,CHIP,8P,TP,	1	SA	
....4		2011-001427	R-NETWORK;0ohm,5%,1/16W,L,CHIP,8P,TP,2.0	1	SA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	1	SNA	
...3	T0066	BP62-00047A	HEAT SINK-ES;DLP,A6063S,T2.5,13,13,TAPE	1	SNA	

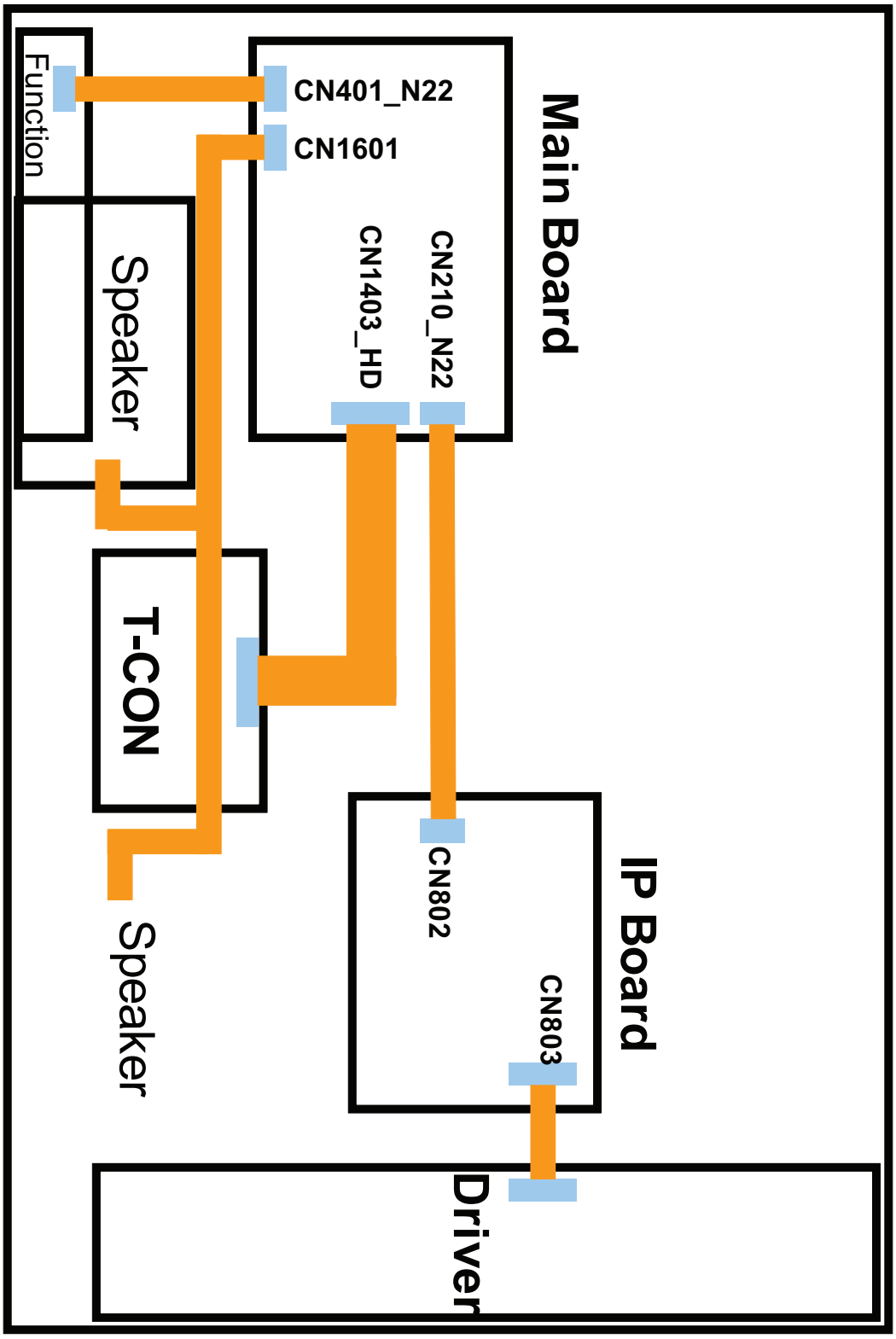
6. Wiring Diagram

6-1. HD Model Wiring Diagram

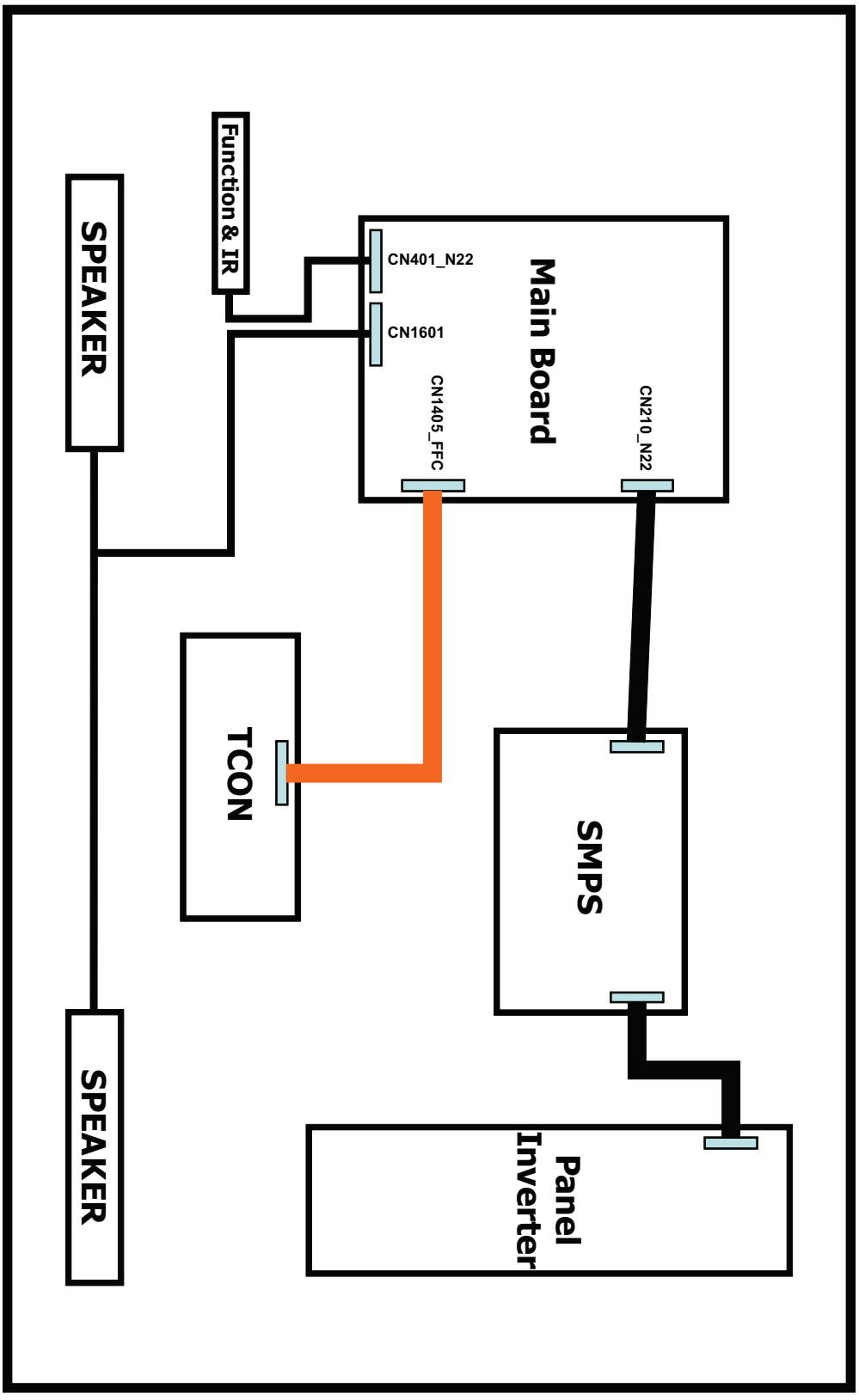
■ C450 22"



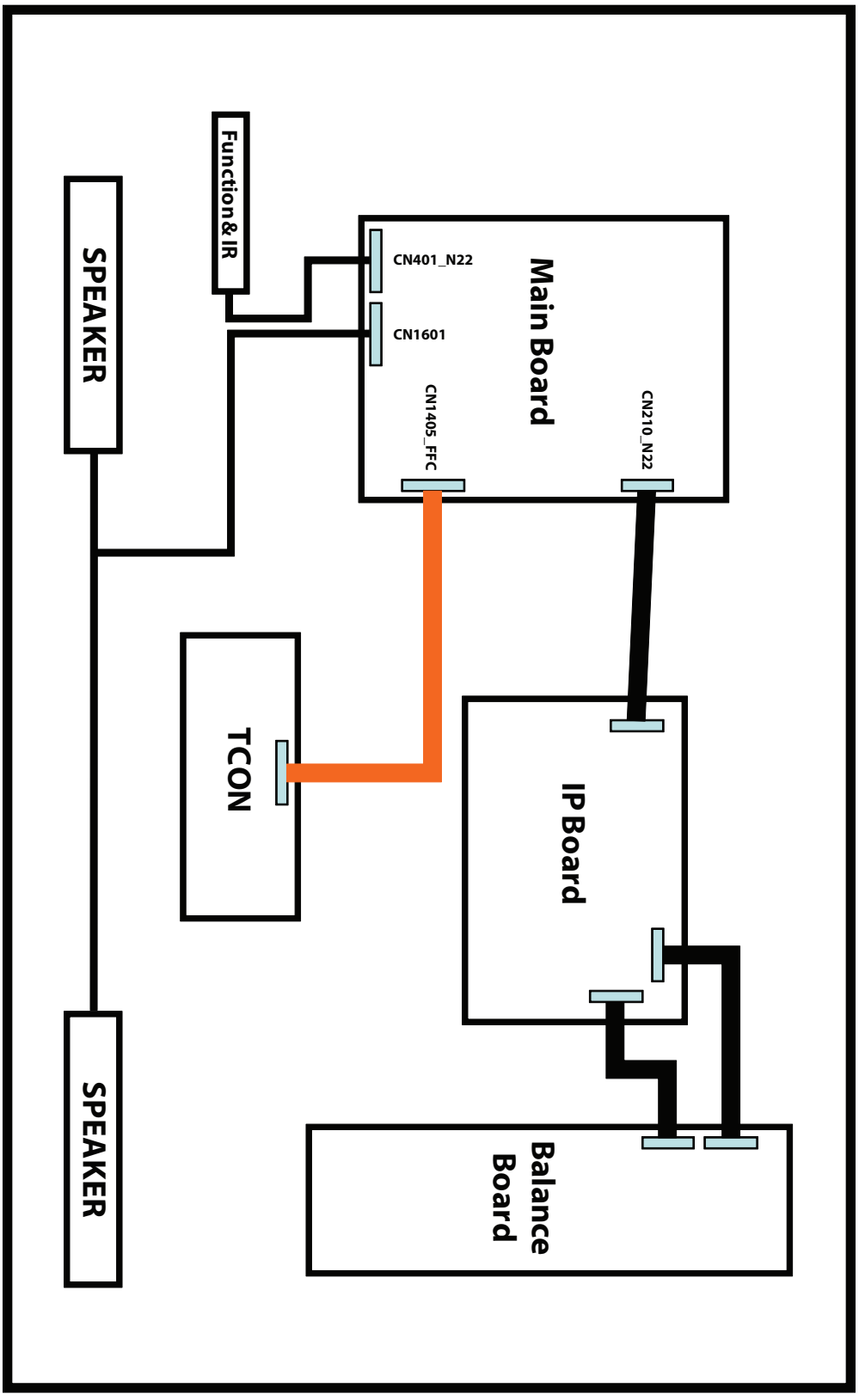
■ **C450 26"/32"**


Function
CN401_N22
CN1601
Main Board
CN1403_HD
CN210_N22
Speaker
T-CON
CN802
IP Board
CN803
Speaker
Driver

■ C530_550 32"/37"



■ C530_550 40"/46"



AUO FHD Panel		
Pin No	**Symbol**	**Description**
1	Power	12V
2	Power	12V
3	Power	12V
4	Power	12V
5	Power	12V
6	GND	GND
7	GND	GND
8	GND	GND
9	GND	GND
10	RO[O]-	Odd LVDS Signal-
11	RO[O]+	Odd LVDS Signal+
12	RO[1]-	Odd LVDS Signal-
13	RO[1]+	Odd LVDS Signal+
14	RO[2]-	Odd LVDS Signal-
15	RO[2]+	Odd LVDS Signal+
16	GND	GND
17	ROCLK-	Odd LVDS CLK-
18	ROCLK+	Odd LVDS CLK+
19	GND	GND
20	RO[3]-	Odd LVDS Signal-
21	RO[3]+	Odd LVDS Signal+
22	NC	NC
23	NC	NC
24	GND	GND
25	RE[O]-	Even LVDS Signal-
26	RE[O]+	Even LVDS Signal+
27	RE[1]-	Even LVDS Signal-
28	RE[1]+	Even LVDS Signal+
29	RE[2]-	Even LVDS Signal-
30	RE[2]+	Even LVDS Signal+
31	GND	GND
32	RECLK-	Even LVDS CLK+
33	RECLK+	Even LVDS CLK-
34	GND	GND
35	RE[3]-	Even LVDS Signal-
36	RE[3]+	Even LVDS Signal+
37	NC	NC
38	NC	NC
39	GND	GND
40	SCL	EEPROM SCL
41	NC	NC
42	NC	NC
43	WP	EEPROM WP
44	SDA	EEPROM SDA
45	LVDS_SEL	Open,High/Low
46	NC	NC
47	NC	NC
48	NC	NC
49	NC	NC
50	NC	NC
51	NC	NC

CMO HD Panel		
Pin No	**Symbol**	**Description**
1	NC	NC
2	SCL	SCL
3	SDA	SDA
4	GND	GND
5	R_0-	LVDS Signal-
6	R_0+	LVDS Signal+
7	GND	GND
8	R_1-	LVDS Signal-
9	R_1+	LVDS Signal+
10	GND	GND
11	R_2-	LVDS Signal-
12	R_2+	LVDS Signal+
13	GND	GND
14	R_CLK-	LVDS CLK-
15	R_CLK+	LVDS CLK+
16	GND	GND
17	R_3-	LVDS Signal-
18	R_3+	LVDS Signal+
19	GND	GND
20	NC	NC
21	LVDS_SEL	VESA/JEIDA
22	WP	WP
23	GND	GND
24	GND	GND
25	GND	GND
26	VDD	Panel_VCC_12V
27	VDD	Panel_VCC_12V
28	VDD	Panel_VCC_12V
29	VDD	Panel_VCC_12V
30	VDD	Panel_VCC_12V

CN2001(POWER)	
1	GND
2	GND
3	DET_5V
4	GND
5	PWM_DIMMING_OUT
6	GND
7	INVERTER
8	ANA_DIMMING_OUT
9	B13V_PW
10	B13V_PW
11	B13V_PW
12	GND
13	GND
14	GND
15	B5V_PW
16	B5V_PW
17	B5V_PW
18	B5V_PW
19	GND
20	GND
21	GND
22	GND
23	B12VS_PW
24	B12VS_PW
25	GND
26	GND
27	A5V_PW
28	GND
29	SW_POWER
30	MSTAR_H_OUT

CN901 (HDMI1)	
1	HDMI_RX2+_HDMI
2	GND
3	HDMI_RX2-_HDMI
4	HDMI_RX1+_HDMI
5	GND
6	HDMI_RX11_HDMI
7	HDMI_RX0+_HDMI
8	GND
9	HDMI_RX0-_HDMI
10	HDMI_RXCLK+_HDMI
11	GND
12	HDMI_RXCLK-_HDMI
13	CEC
14	NC
15	HDMI_DDC_SCL
16	HDMI_DDC_SDA
17	GND
18	IDENT_HDMI
19	HDMI_HOT_PLUG

CN9002(Audio OUT)	
1	GND
2	ANY_SC2_SL_OUT
3	ANY_SC2_SL_OUT
4	GND
5	ANY_SC2_SR_OUT
6	ANY_SC2_SR_OUT

CN5001(PC IN)	
1	PC_RED
2	PC_GREEN
3	PC_BLUE
4	UART_TX2
5	GND
6	GND
7	GND
8	GND
9	PC_5V
10	IDENT_PC
11	UART_RX2
12	SDA_D
13	H_SYNC
14	V_SYNC
15	SCL_D

CN6001 (USB_SERVICE)	
1	B5V_USB_PW
2	USB_DM
3	USB_DP
4	GND

CN5010 (SERVIE JACK)	
1	GND
2	SERVICE_ANY_RX
3	SERVICE_ANY_TX
4	GND
5	GND
6	GND
7	GND

CN5011 (PC Sound)	
1	GND
2	PC_SR_IN
3	PC_SL_IN
4	NC
5	NC
6	NC
7	NC

CN7010 (OPTICAL JACK)	
1	VIN
2	VCC
3	GND

CN9001 (SOUND OUT)	
1	R+
2	R-
3	L+
4	L-

CN7008(Function)	
1	IR
2	GND
3	A5V_1_PW
4	LED_STB
5	NC
6	KEY_INPUT1
7	KEY_INPUT2
8	GND
9	A5V_1_PW
10	NC

CN7005(Side_AV)	
1	GND
2	IDENT_SIDE_AV
3	AV2_CVBS
4	GND
5	SIDE_AV_SR_IN
6	SIDE_AV_SL_IN
7	GND
8	SIDE_AV_SL_IN
9	SIDE_AV_SR_IN

CN5003(Component1/AV1)	
1	GND
2	IDENT_AV
3	Comp1_Y / AV1_CVBS
4	GND
5	IDENT_Comp1
6	Comp1_Pb
7	GND
8	IDENT_Comp1
9	Comp1_Pr

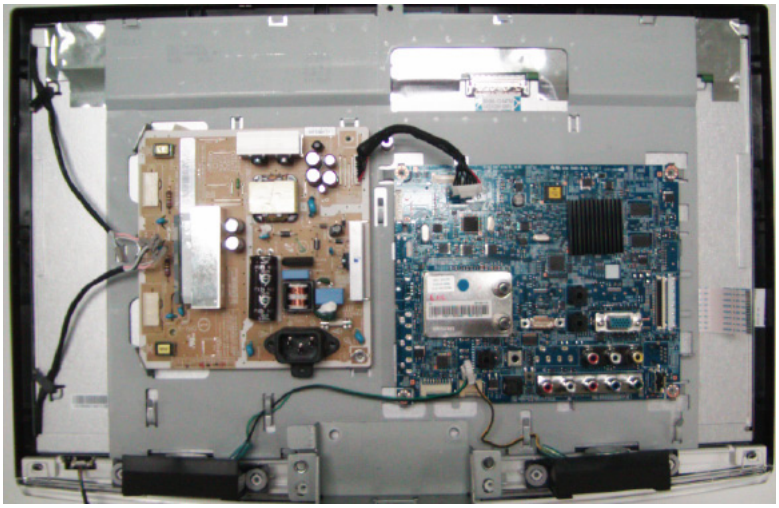
CN5005(Component2)	
1	GND
2	IDENT_COMP2
3	Comp2_Y
4	GND
5	NC
6	Comp2_Pb
7	GND
8	NC
9	Comp2_Pr

CN3204(HeadPhone)	
1	GND
2	HP_OUT_R
3	HP_OUT_L
4	HP_OUT_L
5	HP_OUT_L
6	GND
7	IDENT_HP

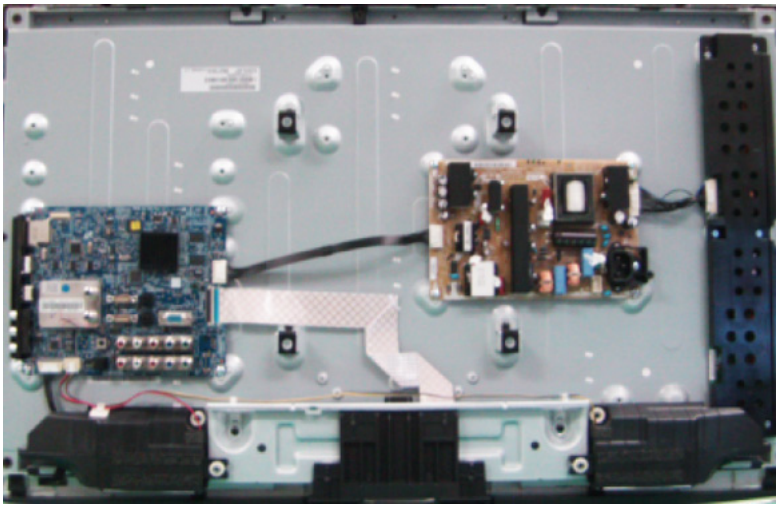
CN5002 (Component1/AV1 Sound)	
1	GND
2	COMP1_SR_IN
3	COMP1_SL_IN
4	GND
5	COMP1_SL_IN
6	COMP1_SR_IN

CN5004 (Component2 Sound)	
1	GND
2	COMP2_SR_IN
3	COMP2_SL_IN
4	GND
5	COMP2_SL_IN
6	COMP2_SR_IN

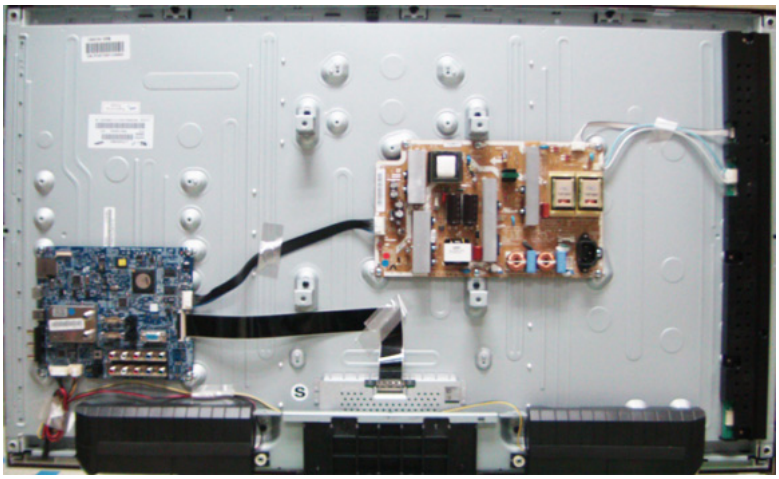
6-2. Wiring Picture



HD MODEL (C450 22')



HD MODEL (C450)



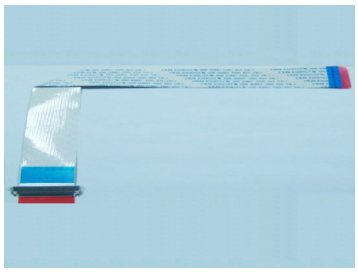
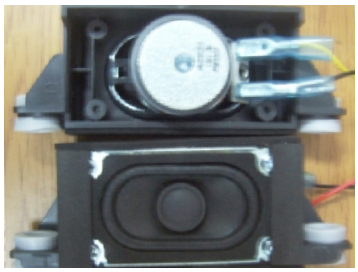
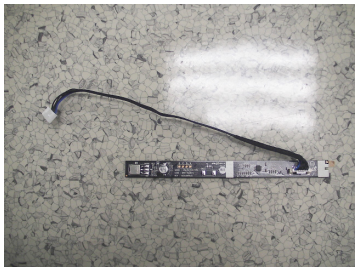
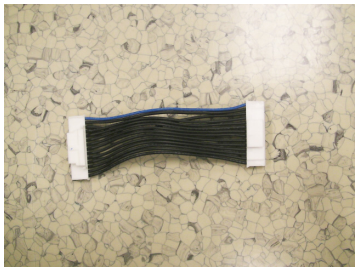
FHD MODEL (C530 / C550)

6-3. Connector Functions

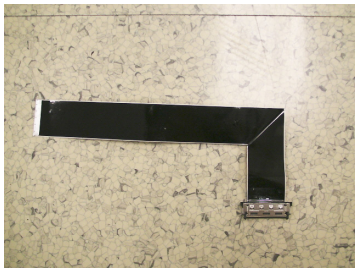
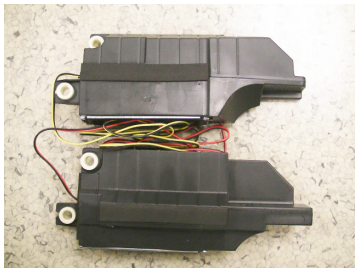
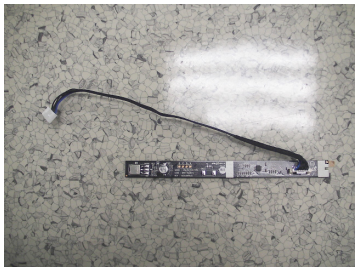
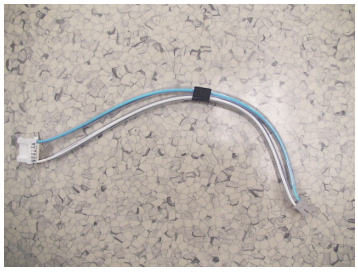
Connector	Functions
Panel ⟷CN11020_FHD, CN11009_DH	The LVDS signal transfered Panel to Main Board. * defective symptom : No pcture but normal sound
IP ⟷CN2001	Supply main power from IP,SMPS to Main Board. * defective symptom : No picture, diable Power On/Off

6-4. Cables

■ C450 Cables

Use	(1) LVDS CONNECTOR	(2) CONNECTOR POWER 18P	(3) ASSY-SPEAKER
Code	BN96-12447M (22") BN96-12469P (26") BN96-12469Q (32")	BN96-12469L (26") BN96-12469Q (32")	BN96-12940C (22") BN96-12975A (26") BN96-12871A (32")
Photo			
Use	(4) IR to FUNCTION	(5) CONNECTOR INVERTOR (32", 37")	
Code	BN96-13046C (22") BN96-13046D (26", 32")	BN39-01274A (26", 32")	
Photo			

■ C530/C550 Cables

Use	(1) LVDS CONNECTOR	(2) CONNECTOR POWER 18P	(3) ASSY-SPEAKER
Code	BN96-13171N (32") BN96-13171B (37") BN96-13171C (40") BN96-13171D (46")	BN39-01267A (32") BN39-01267E (37") BN39-01267E (40") BN39-01267F (46")	BN96-12871A (32") BN96-12871B (37") BN96-12837A (40") BN96-12837B (46")
Photo			
Use	(4) IR to FUNCTION	(5) CONNECTOR INVERTOR (32", 37")	(5) CONNECTOR INVERTOR (40", 46")
Code	**C530** BN96-13022B (32", 37", 40") BN96-13022C (46") **C550** BN96-13451B (32", 40") BN96-13451B (46")	BN39-01274A (32" 14P) BN39-01272A (37" 14P)	BN39-01279E (40") BN39-01279F (46")
Photo			
Use	(5) CONNECTOR_High Voltage (40",46")		
Code	BN39-01024E (40", 46")		
Photo			

■ T-Con Board SVC Parts Code for each Model

Project	Model Code	Side Label	T-Con code	Remark
LC4E	LN22C450E1MXZD	CN01	T-Con is built-in type	2010 Product
	LN26C450E1MXZD			
	LN32C450E1MXZD			
LC5F	LN32C530F1MXZD	CN01	BN81-04151A	2010 Product
	LN37C530F1MXZD	CN01	BN81-04409A	2010 Product
	LN40C530F1MXZD	CN01	BN81-04153A	2010 Product
	LN46C530F1MXZD	CN01	BN81-04157A	2010 Product
LC5K	LN32C550J1MXZD	CN01	BN81-04151A	2010 Product
	LN40C550J1MXZD	CN01	BN81-04153A	2010 Product
	LN46C550J1MXZD	CN01	BN81-04157A	2010 Product

GSPN (Global Service Partner Network)

Area	Web Site
North America	http://service.samsungportal.com
Latin America	http://latin.samsungportal.com
CIS	http://cis.samsungportal.com
Europe	http://europe.samsungportal.com
China	http://china.samsungportal.com
Asia	http://asia.samsungportal.com
Mideast & Africa	http://mea.samsungportal.com

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